

# AFSC 2A5X3A

## COMMUNICATION/NAVIGATION /MISSION SYSTEMS



## CAREER FIELD EDUCATION AND TRAINING PLAN

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COMMUNICATION/NAVIGATION/MISSION SYSTEMS  
AFSC 2A5X3A

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AFSC 2A5X3A  
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**PART I**

***1. Preface***

**1.** This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Air Force Publishing website at: <http://www.e-publishing.af.mil> **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

**2.** The CFETP consists of two parts; supervisors use both parts of the plan to plan, manage, and control training within the career field.

**2.1.** Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

**2.2.** Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training, Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a qualification training package (QTP) developed to support proficiency training. These QTPs are identified on the <http://www.e-publishing.af.mil>. Section D identifies a training course index supervisors use to determine resources available to support training. Included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

**3.** Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan and conduct training commensurate with the overall goals of this plan.

## ***ABBREVIATIONS/TERMS EXPLAINED***

**Advanced Training (AT).** Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

**Air Force Job Qualification Standard (AFJQS).** A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP).** A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

**Certification.** A formal indication of an individual's ability to perform a task to required standards.

**Certification Official.** A person the supervisor assigns to determine an individual's ability to perform a task to required standards.

**Continuation Training.** Additional training exceeding requirements with emphasis on present or future duty assignments.

**Core Task.** A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core tasks identified with an \*/R are optional for AFRC and ANG.

**Course Objective List (COL).** A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Air Force Training Programs*.

**Critical Tasks.** Tasks that have been identified by the workcenter supervisor as having a detrimental effect on mission accomplishment if not performed correctly. Critical tasks may or may not be the same as core tasks but are mandatory if identified as "critical" to the individual's position by the supervisor or workcenter.

**Distance Learning.** Includes video tele-seminar (VTS), video tele-training (VTT), and computer-based training (CBT). Formal courses that a training wing or a contractor develops for export to a field location (in place of resident training) for trainees to complete without the on-site support of the formal school instructor. For instance, courses are offered by Air Force Institute of Technology, Air University, and Training Detachment.

**Enlisted Specialty Training (EST).** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

**En Route (PCS-Associated) Training.** The training of students undergoing a permanent change of station (PCS) while in temporary duty (TDY) status.

**Exportable Training.** Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

**Field Technical Training (Type 4).** Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

**Go/No Go.** The stage at which an individual has gained enough skill, knowledge, and experience to perform the tasks without supervision. Meeting the task standard.

**Initial Skills Training.** A formal resident course which results in award of a 3-skill level AFSC.

**Instructional System Development (ISD).** A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

**Master Task Listing (MTL).** Document maintained within the workcenter that identifies all tasks performed in a workcenter. This includes core, critical, position qualification, and wartime tasks. This document can be automated.

**Master Training Plan.** A comprehensive workcenter training plan. It can include the MTLs, QTPs, AFJQS, CFETP, task breakdowns, commercial publications and any other document that supports training.

**Mission Ready Airman (MRA).** A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

**Mobile Training Team (MTT).** Instructors, trainers, training aids, and operational equipment that formal schools send to bases or operating locations.

**Occupational Survey Report (OSR).** A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

**On-the-Job Training (OJT).** Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

**Qualification Training (QT).** Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

**Qualification Training Package (QTP).** An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

**Resource Constraints.** Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

**Specialized Training Package and COMSEC Qualification Training Package.** A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

**Specialty Training Standard (STS).** An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

**Supplemental Training.** Training for a portion of an AFS without a change in AFSC. Formal training on new equipment, methods, and technology that are not suited for on-the-job training.

**Training Detachment (TD).** An AETC detachment that provides maintenance-oriented technical training, at an operational location, on specific systems and their aerospace ground equipment. A TD aims to qualify personnel on new equipment or in new techniques and procedures, maintain proficiency and to increase skill and knowledge, acquaint personnel with specific systems, and keep personnel aware of changing concepts and requirements.

**Upgrade Training (UGT).** A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

**Utilization and Training Workshop (U&TW).** A forum of MAJCOM Air Force Specialty Code (AFSC) Functional Managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

## **SECTION A - GENERAL INFORMATION**

**1. Purpose:** This CFETP provides the information necessary for AFCFM, MFMs, commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A5X3A should receive to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after upgrade training. It's designed to provide the performance skills/knowledge to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1.** Serve as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identify tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3.** List training courses available in the specialty and identifies sources of training and the training delivery method.
- 1.4.** Identifies major resource constraints that impact full implementation of the desired career field training process.

**2. Uses:** This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

- 2.1.** AETC training personnel will develop/revise formal resident, non-resident, TD, and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide identified training.
- 2.2.** MFMs ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources..
- 2.3.** Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval:** The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A5X3A will initiate an annual review of this document by AETC and MAJCOM AFSC functional

managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

## ***SECTION B - CAREER FIELD PROGRESSION AND INFORMATION***

### **4. Specialty Description.**

**4.1. Specialty Summary.** Analyzes malfunctions, inspects, removes, maintains, and installs communication/navigation/mission systems. Performs and supervises avionics maintenance and general aircraft servicing and handling. Related DoD Occupational Subgroup: 119800.

### **4.2. Duties and Responsibilities.**

4.2.1 Operates and maintains avionics systems. Analyzes equipment operating characteristics to isolate malfunctions in avionics systems, radar, integrated test systems built-in-test (BIT), multiplexed data buss systems, recording systems, fire control systems, video display systems, flight instrumental, mission computer systems, electro-optical viewing systems (EVS), inertial navigation systems (INS), primary and secondary flight controls, automatic flight control, engine instrumentation, fuel management systems, central air data systems, electronic warfare (EW) systems, sensors, communication, and navigation systems, aircraft indicating systems, airborne warning and control systems (WACS), surveillance radar, joint surveillance target attack radar systems (JSTARS), and interrogator systems.

4.2.2. Removes, installs, checks, and repairs avionics systems and line replaceable units (LRU). Diagnoses malfunctions using technical orders, schematics, wiring diagrams, integrated test systems and other test equipment. Removes, replaces, and repairs faulty system wiring, electrical connectors, antennas, transmission lines, and multiconductor cables. Modifies avionics systems according to technical publications. Updates operational logs, inspection records, aircraft forms, and automated maintenance systems. Performs and supervises alignment, calibration, and boresight of avionics systems. Uploads ground maintenance and operational software. Performs off-equipment maintenance on selected avionics LRUs and maintains peculiar support equipment (SE).

4.2.3. Inspects and evaluates aircraft maintenance activities. Inspects and verifies operational status and configuration of avionics systems and software. Records and ensures validity of entries into maintenance data collection and inspection systems. Resolves and assists units in solving maintenance and supply problems. Interprets and recommends corrective action to inspection findings. Prepares aircraft for low altitude attack profiles, precision bombing, convert operations, and reconnaissance.

4.2.4. Plans, organizes and directs aircraft maintenance activities. Establishes methods and performance standards. Analyzes reports and maintenance plans. Directs operation and modification of standard operating procedures. Establishes priorities. Evaluates activities for compliance with directives. Supervises and assists in aircraft ground servicing, and launch/recovery operations. Reviews maintenance data collection summaries to determine trends and production effectiveness. May perform as aircraft Dedicated Crew Chief.

**5. Skill and Career Progression.** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It's essential that everyone involved in training do his/her part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. Enlisted personnel must complete all mandatory training requirements as outlined in AFI 36-2201, *Air Force Training Programs*; Air Force Enlisted Classification

Directory (AFECD); and this CFETP for award of the 3-, 5-, 7-, and 9-skill levels. The following outlines the minimum requirements for award of these skill levels:

**5.1. Apprentice (3-level):** Complete a resident initial skills training course for award of the 3-skill level. Retraining into a similar AFSC or shred may be accomplished via OJT alone only when specified in the retraining instructions as approved by the respective AFCFM. Personnel retraining via OJT may be awarded 3-skill level when the following are met:

complete knowledge training on all tasks taught in the initial skills course, complete duty position requirements identified by the supervisor and all other mandatory requirements.

**5.2. Journeyman (5-level):** Complete mandatory CDC, if available, all core tasks identified in the CFETP and other duty position tasks identified by the supervisor. They must also complete 15 months in upgrade training (UGT) for award of the 5-skill level. Individuals in retraining status (TSC "F") must complete a minimum of 9 months in upgrade training.

**5.3. Craftsman (7-level):** Be a staff sergeant, complete the mandatory CDCs, if available, all core tasks identified in the CFETP and other duty position tasks identified by the supervisor. They must also attend the 7-skill level craftsman course (if available) and for award of the 7-skill level individuals must complete a minimum of 12 months in UGT. Individuals in retraining status (TSC "G") must complete a minimum of 6 months in UGT.

**5.4. Superintendent (9-level):** Be a senior master sergeant.

**6. Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Communication/Navigation/Mission Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, 18-22 Apr 2005.

**6.1. Initial Skills.** The MAJCOM representatives suggested that consideration be given to adding back into the Electronic Principles Course during the next U&TW the following subjects: assembling solderless connectors, bonding meters and wire maintenance. To complete their Initial Skills Training, personnel will first satisfactorily complete a mandatory resident course. The new course, J3ABR2A533A048C, is expected to be on line October 2006.

**6.2. Five-Level Upgrade Training.** Students will be required to complete the 2A553A, Communication/Navigation/Mission Systems Journeyman CDC prior to upgrade. The Specialty Training Standard (STS) was re-accomplished to provide additional training and to identify Air Force directed core tasks for upgrade to the 5-level and the 7-level.

**6.3. Seven-Level Upgrade Training.** Completion of the 2AX7X, 7-level management CDC, is mandatory.

**6.4. Continuation Training.** The purpose of the continuation-training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation-training program that ensures individuals in the Communication/Navigation/Mission Systems career field specialty receive the necessary training at the appropriate point in their career. The training program identifies both mandatory and optional training requirements.

**7. Community College of the Air Force (CCAF) Academic Programs:** Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition, CCAF offers the following:

**7.1. Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised teaching practicum, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

**7.2. Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman (Supervisor), or Master Craftsman (Manager). All are transcribed on the CCAF transcript.

**7.3. Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an Associates Degree, the 5-level must be awarded and the following requirements must be met:

	<u>Semester Hours</u>
Technical Core.....	12-24
Leadership, Management, and Military Studies.....	6
Physical Education.....	4
General Education.....	15
Program Elective.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total.....	64

**7.2.1. Technical Core (24 Semester Hours).** A minimum of 12 semester hours of Technical Core subjects and courses must be applied and the remaining semester hours applied from Technical Core or Technical Elective subjects and courses.

<u>Technical Core</u> <u>Subjects/Courses</u>	<u>Semester Hours</u>
Avionic Systems Theory/Maintenance.....	24
CCAF Internship.....	16
Advanced Electronics.....	12
Algebra-Based Physics.....	4
Aviation/Flight Safety.....	3
Basic Electronics Theory/Application.....	12
CAD/CAM or Technical Drawing/Drafting.....	3
Communications Systems Theory/Maintenance.....	12
Computer Science.....	6
Digital Techniques.....	6
Electronic Systems Theory/Maintenance.....	12
Enlisted Professional Military Education.....	6
FCC General Radiotelephone Operator's License.....	9
Industrial Safety.....	3
Microprocessor Electronic Theory.....	6
Quality Assurance.....	3

Radar Systems Theory/Maintenance.....	3
Soldering Techniques.....	6
Technical Writing.....	3
Trigonometry.....	3

**7.2.2. Leadership, Management, and Military Studies (6 Semester Hours).** Professional military education and/or civilian management courses accepted in transfer and/or by testing credit.

**7.2.3. Physical Education (4 Semester Hours).**

Semester Hours

PHE 1000 - Basic Military Training.....	4
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**7.2.4. General Education (15 Semester Hours).** Courses must meet the definition of General Education subject/courses as provided in the *CCAF General Catalog*.

Subjects/Courses

Semester Hours

Oral Communication (Speech).....	3
Written Communication (English Composition).....	3
Mathematics.....	3
Intermediate Algebra or college-level mathematics course that satisfies the delivery institution's mathematics requirement for graduation. If an acceptable mathematics course is applied as a Technical or Program Elective, a natural science course may be substituted for mathematics.	
Social Science.....	3
Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	
Humanities.....	3
Fine Arts (Criticism, Appreciation, Historical Significance), Foreign Language, Literature, Philosophy, Religion	

**7.2.5. Program Elective (15 Semester Hours).** Courses applying to technical education, LMMS or general education requirements; natural science courses meeting general education requirement application criteria; foreign language credit earned at Defense Language Institute or through Defense Language Proficiency Test; maximum 6 semester hours of CCAF degree-applicable technical course credit otherwise not applicable to program of enrollment. See the CCAF General Catalog [http://www.au.af.mil/au/ccaf/catalog/2002cat/ter\\_4vhs.htm](http://www.au.af.mil/au/ccaf/catalog/2002cat/ter_4vhs.htm) for details regarding the Associates of Applied Science for this specialty.

**7.3. AETC Instructor Requirements:** Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associate's degree. It's necessary for instructors to have at least an associate's degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools

## 8. Career Field Path.

**8.1. Enlisted Career Path.** Table 4.6.1 identifies career milestones for the 2A5X3A Air Force specialty.

<b>Table 8.1 Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>Grade Requirements</b>			
	<b>Rank</b>	<b>Average Sew-On</b>	<b>Earliest Sew-On</b>	<b>High Year Of Tenure (HYT)</b>
<b>Basic Military Training School</b>				
<b>Apprentice Technical School (3-Skill Level)</b>	Amn A1C	6 months 16 months		
<b>Upgrade To Journeyman (5-Skill Level)</b> - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS and all duty position-related tasks identified by supervisor. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	12 Years
<b>Airman Leadership School (ALS)</b> - Must be a SrA with 48 months time in service or be a SSgt Selectee and have 1 year of retainability. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<b>Trainer</b> - Recommended by supervisor. - Qualified and certified to perform the task to be trained. - Attend the Air Force Training Course.				
<b>Certifier</b> - At least a SSgt with a 5-skill level or civilian equivalent. - Someone other than the trainer. - Qualified and certified to perform the task being certified. - Attend the Air Force Training Course.				
<b>Upgrade To Craftsman (7-Skill Level)</b> - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one MDS and all duty position-related tasks identified by supervisor. - 12 months OJT. - Complete appropriate CDC if/when available. - Complete advanced technical school.	SSgt	6.1 years	3 years	20 Years
<b>Noncommissioned Officer Academy (NCOA)</b> - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	14.1 years 18.4 years	5 years 8 years	24 Years 26 Years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselects (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	21 years	11 years	28 Years
<b>Upgrade To Superintendent (9-Skill Level)</b> - Minimum rank of SMSgt.	CMSgt	23.3 years	14 years	30 Years

**8.2. Base/Unit Education and Training Manager Checklist:** Table 8.2. Provides base and unit education and training managers a tool to track progress of individuals in the 2A533A Air Force specialty.

<b>Table 6.2. Base/Unit Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<p><b>Journeyman</b></p> <ul style="list-style-type: none"> <li>- Has the apprentice completed mandatory CDCs (if available)?</li> <li>- Has the apprentice completed all 5-level core tasks on at least one MDS aircraft identified in the CFETP?</li> <li>- Has the apprentice completed all other duty position tasks identified by the supervisor?</li> <li>- Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level?</li> <li>- Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Enlisted Classification), and CFETP?</li> <li>- Has the apprentice been recommended by their supervisor?</li> </ul>		
<p><b>Craftsman</b></p> <ul style="list-style-type: none"> <li>- Has the journeyman achieved the rank of SSgt?</li> <li>- Has the journeyman completed mandatory CDCs (if available)?</li> <li>- Has the journeyman completed all 5- and 7-level core tasks on at least one MDS aircraft identified in the CFETP?</li> <li>- Has the journeyman completed all other duty position tasks identified by the supervisor?</li> <li>- Has the journeyman attended 7-skill level Craftsman Course (if available)? <b>First, they must complete:</b> <ul style="list-style-type: none"> <li>-- All 7-level training requirements listed in the CFETP.</li> <li>-- All applicable mandatory CDCs and /or exportable courses.</li> </ul> </li> <li>- Has the journeyman completed a minimum of 12 months UGT (6 months for retrainees) for award of the 7-skill level?</li> </ul>		

TO: Squadron/CC  
 FROM: Squadron Training Manager  
 SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all mandatory training requirements.  
 Supervisor recommends upgrade.

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Training Manager

---

Supervisor

## **SECTION C - SKILL LEVEL TRAINING REQUIREMENTS**

**9. Purpose.** Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

### **10. Specialty Qualification Requirements.**

#### **10.1 Specialty Qualification**

**10.1.1 Knowledge is mandatory of:** interpreting and applying mechanical, wiring, and electronic circuit diagrams; electronic, micro-processor, data bus, and mechanical principles theory and application; theory of flight; gyros, synchros, indicators, memory storage devices, antennas, servomechanisms, electromechanical, electro-hydraulic, and electro-optical devices; radar, radio frequency communication, surveillance radar and interrogator systems, pulse Doppler radar theory, dependent navigation aides, inertial and radar navigation, electronic countermeasure transmitters and receivers; lasers, infrared/ultraviolet receivers; optics, automatic flight controls, instruments, multiplexing, fire control, vide display, and digital computer systems working principles; subsystem tie-in between integrated avionics systems; using and interpreting testing and measuring devices; principles of motion and power transmission by fluid, mechanical and electrical means; and concepts and application of maintenance directives.

**10.1.2 Education.** For entry into this specialty, completion of high school with courses in physics, computers, and mathematics is desirable.

#### **10.1.3 Training**

**10.1.3.1** For award of AFSC 2A533X, completion of the applicable suffix basic avionics systems course is mandatory.

**10.1.3.2** For award of AFSC 2A573X, completion of the craftsman course is mandatory.

**10.2 Experience.** The following experience is mandatory for award of the AFSC indicated:

**10.2.1 2A553X.** Qualification in and possession of AFSC 2A533X. Also, experience isolating malfunctions, removing and installing LRUs, and use of test and ground SE.

**10.2.2 2A573X.** Qualification in and possession of AFSC 2A553X. Also, experience performing or supervising functions such as analyzing and isolating integrated avionics systems malfunctions and using test equipment.

**10.3 Other.** The following are mandatory as indicated:

**10.3.1** For entry into this specialty:

**10.3.1.1** Normal color vision as defined in AFI 48-123, *Medical Examination and Standards*.

**10.3.1.2** See Attachment 39 for additional entry requirements

**10.3.2** Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2A5X3X, completion of a current National Agency Check, Local Agency Checks and Credit (NACLCL) according to AFI 31-501, Personnel Security Program Management. **NOTE:** Award of the 3-skill level without a completed NACLCL is authorized provided an interim NACLCL has been granted according to AFI 31-501.

## ***SECTION D - RESOURCE CONSTRAINTS***

**11. Purpose:** This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

**12. Apprentice Level Training: There are no 3-level constraints.**

**13. Five Level Training: There no 5-level constraints.**

**14. Seven-Level Training: There are no 7-level constraints.**

## **PART II**

### ***1. SECTION A - SPECIALTY TRAINING STANDARD***

**1. Implementation.** This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning **on or after 1 October 2006**.

**2. Purpose.** As prescribed in AFI 36-2201, this STS.

**.2.1. Column 1. (Task, Knowledge, and Technical References):** The most common tasks, knowledge, and Technical References (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level.

**2.2. Column 2. Core Tasks:** Identified by asterisk (\*) are specialty-wide training requirements. Core tasks identified with an \*/R are optional for ANG and AFRC. As a minimum, certification on all core tasks applicable to at least one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Core task exemptions: (1) core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training; (2) units are not exempt for minimum core task training if aircraft/equipment are assigned to another unit on base, and (3) core tasks on more than one assigned MDS are not required unless deemed mandatory by the MAJCOM Functional Managers, commanders, and/or supervisor. MAJCOM Functional Managers, commanders, and supervisors may designate additional core tasks as necessary. When designated, certify these core tasks using normal core task certifying procedures.

**2.2.3.** Units that use the GO81 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) Computer Based Training (CBT) core tasks. However, these units must be capable of training CAMS related CBT core tasks for deployment preparation. This capability ensures GO81 users are capable of operating CAMS prior to deploying to CAMS using units.

**2.3. Certification for OJT:** Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification or completed date.

**2.4.** Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established

requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

**1.2.5. Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development course.

**1.2.6. Job Qualification Standard.** Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **Individual Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JOSS, the following requirements apply:

**1.2.6.1. Documentation.** Reference AFI 36-2201V3.

**1.2.6.2. Converting from Old Document to CFETP.** Reference AFI 36-2201V3.

**1.2.6.3. Documenting Career Knowledge.** Reference AFI 36-2201V3.

**1.2.6.4. Decertification and Recertification.** Reference AFI 36-2201V3.

**1.2.6.5. AF Form 797.** Reference AFI 36-2201V3.

**1.2.7. Disposition of Training Records.** Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals the outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

**1.2.8. Specialty Training Standard.** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**1.2.9. Recommendations.** Report unsatisfactory performance of individual course graduates to the AETC Training Manager at 365 TRS/TRR, 609 9th Avenue Stop 242, Sheppard AFB TX, 76311-2335, DSN 736-7891. Reference specific STS paragraphs. For a quick response to problems, call our Training Feedback Hotline, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

**DONALD J. WETEKAM**, Lieutenant General, USAF  
DCS/Logistics, Installations and Mission Support

Attachments (21)

1. Proficiency Code Key (Mandatory to file with CFETP Section I and Section II, Part A)
2. Common Task Training Requirements, (Mandatory)
3. B-1 Training Requirements (Mandatory for B-1 personnel)
4. B-2 Training Requirements (Mandatory for B-2 personnel)
5. B-52 Training Requirements (Mandatory for B-52 personnel)
6. C-5 Training Requirements (Mandatory for C-5 personnel)
7. C-9 Training Requirements (Mandatory for C-9 personnel)
8. C-17 Training Requirements (Mandatory for C-17 personnel)
9. C-130 Training Requirements (Mandatory for C-130 personnel)
10. C-130J Training Requirements (Mandatory for C-130J personnel)
11. KC-10 Training Requirements (Mandatory for KC-10 personnel)
12. KC-135 Training Requirements (Mandatory for KC-135 personnel)
13. E-3 Training Requirements (Mandatory for E-3 personnel)
14. E-4B Training Requirements (Mandatory for E-4B personnel)
15. E-4B Training Requirements (Mandatory for E-4B personnel)
16. E-8C Training Requirements (Mandatory for E-8C personnel)
17. HH-60(M)G Training Requirement (Mandatory for HH-60(M)G personnel)
18. SOF Training Requirement (Mandatory for SOF personnel)
19. SOF Off-Equipment Maintenance Training Requirements (Use determined within SOF)
20. Electronic Fundamentals Training Requirements (Mandatory)
21. 2AX7X CDC Training Requirements (Mandatory)



<b><i>This Block Is For Identification Purposes Only</i></b>		
<b>Name Of Trainee</b>		
<b>Printed Name (Last, First, Middle Initial)</b>	<b>Initials (Written)</b>	<b>SSAN</b>
<b>Printed Name Of Certifying Official And Written Initials</b>		
<i>N/I</i>	<i>N/I</i>	

### QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	<b>Scale Value</b>	<b>Definition: The individual</b>
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
<p><b>Explanations</b></p> <p>* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.</p> <p>X This mark is used alone in the course columns to show that training is required but not given due to limitations in resources.</p> <p><b>NOTE:</b> All tasks and knowledge items shown with a proficiency code are trained during war time.</p>		



## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

Attachment 2 - Common Training Requirements NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

2.1 CAREER LADDER PROGRESSION										
2.1.1 Progression in career ladder 2A5X3A TR: AFI 36-2108, AFVA 39-1								A	-	-
2.1.2 Duties of 3-, 5-, and 7-level personnel TR: AFMAN 36-2108								B	-	-
2.2 SECURITY										
2.2.1 Information Security TR: AFI-31-401,31-501, AFPD 31-4, 31-5, and applicable directives										
2.2.1.1 Classification of information								A	-	-
2.2.1.2 Prevention of security violations								A	-	-
2.2.1.3 Access to classified information								-	-	-
2.2.2 Physical Security TR: AFI-31-101V1, DODR 5200-8, AFPD 31-1, Army Regulation 190-16										
2.2.2.1 Control of restricted areas								-	-	-
2.2.2.2 Security alert reporting								-	-	-
2.2.2.3 Make entries on cabinet, safes, and room security forms								a	-	-
2.2.2.4 Proper handling of classified materials/ controlled cryptographic item (CCI)								A	-	-
2.2.3 Communications Security (COMSEC) TR: AFI 33-211, DoD 5200-1-4, AFPD 33-2										
2.2.3.1 COMSEC Education Program								-	-	-
2.2.3.2 Specific 2A5X3A vulnerabilities								A	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.2.4 Operations Security (OPSEC) TR: AFI 10-1101, AFD 10-11, and applicable directives										
2.2.4.1 Goals of OPSEC program								A	-	-
2.2.4.2 Specific 2A5X3A vulnerabilities								A	-	-
2.2.4.3 Function of Critical Information Lists (CIL)								A	-	-
2.2.5 Computer Security (COMPUSEC)								-	-	-
2.3 AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 91-series technical orders, 31, 33 series										
2.3.1 AFOSH standards for AFSC 2A5X3A								-	-	-
2.3.2 Maintain safe work area								-	-	-
2.3.3 Hazards/Safety Practices of AFSC 2A5X3A										
2.3.3.1 RF energy								A	-	-
2.3.3.2 Noise								A	-	-
2.3.3.3 Compressed gases								A	-	-
2.3.3.4 Electrical power								A	-	-
2.3.3.5 Hydraulic power								A	-	-
2.3.3.6 Hazardous liquids								A	-	-
2.3.3.7 Radioactive parts and materials								A	-	-
2.3.3.8 Aircraft								-	-	-
2.3.3.9 AGE								-	-	-
2.3.3.10 Electrical equipment								A	-	-
2.3.3.11 Beryllium/copper alloys								A	-	-
2.3.3.12 Lasers								A	-	-
2.3.3.13 Composites								A	-	-
2.3.3.14 CRTs								A	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.3.3.15 Lifting Devices								A	-	-
2.3.3.16 Practice FOD prevention								2b	-	-
2.3.3.17 AF Nuclear Surety Program								-	-	-
2.3.3.18 Heavy Lifting								-	-	-
2.3.3.19 Select and use restraint harness								-	-	-
2.3.3.20 Inspect and use fire extinguisher TR: 00-25-172								-	-	-
<b>2.4 HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS</b> TR: AFI-23-504, AFI 32-7042, AFPAM 32-7043, Applicable Federal Codes, EPA State Regulations										
2.4.1 Types of hazardous material /fluids								B	-	-
2.4.2 Handling procedures								B	-	-
2.4.3 Storage and labeling								B	-	-
2.4.4 Proper disposal								B	-	-
2.4.5 Material Safety Data Sheet								B	-	-
2.4.6 Report Hazardous Material Spills								-	-	-
<b>2.5 MAINTENANCE MANAGEMENT</b> TR: AFI-21-101										
2.5.1 Basic functions and responsibilities of the maintenance complex								-	B	-
2.5.2 Maintenance Data Collection								A	B	-
2.5.3 Automated Maintenance System								A	B	-
2.5.4 Maintenance accountability								-	B	-
2.5.5 Operational Risk Management								-	-	-
<b>2.5.6 Logistics/Resource Maintenance Management</b>										
2.5.6.1 Logistics Management								-	-	-
2.5.6.2 Resource Management								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.5.6.3 Standard Publication Use								-	A	-
2.5.6.4 Deficiency Reporting								-	A	-
2.5.6.5 Product Improvement Working Group, Test Planning Working Group, System Training Plan, and Product Improvement Review								-	-	-
2.5.6.6 Aircraft Maintenance Management Information Systems (CEMS, RAMPOD, PAMS, etc)								-	-	-
2.5.6.7 SMR Codes (AFTO Form 135)								-	-	-
2.5.6.8 Modification Proposals (AF Form 1067)								-	-	-
2.5.6.9 Aircraft/Equipment Status Monitoring								-	-	-
2.5.6.10 Compliance and Standardization Requirements Listing (CSRL)								-	-	-
2.5.6.11 Maintenance QPM Relationships (repeat/recur, fix, break, cannibalization rates etc.)								-	-	-
2.5.6.12 FOD Program Manager								-	-	-
2.5.6.13 Mobility (hazard declarations)								-	-	-
2.5.6.14 Expediter, Production Supervisor and Flight Chief Duties and Responsibilities								-	-	-
2.5.6.15 Maintenance Incident Investigation and Prevention								-	-	-
2.5.6.16 AFMC Responsibility								-	-	-
2.5.6.17 Minimum Essential Systems Lists (MESL)								-	-	-
2.5.6.18 TMDE Program								-	-	-
2.5.6.19 Warranty Program								-	-	-
2.5.6.20 Workcenter Responsibilities								-	-	-
2.5.6.21 IDEA Program								-	-	-
2.5.6.22 Repair Cycle Asset Program								A	-	-
2.6 MAINTENANCE, INSPECTION SYSTEMS, AND FORMS TR: AFI-21-101, OO-20 series technical orders										

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.6.1 Maintenance systems								-	-	-
2.6.2 Aircraft inspection systems								-	A	-
2.6.3 Use Maintenance Data Collection Forms								b	-	-
2.6.4 Historical Records								-	-	-
2.6.5 Status Reports								-	-	-
2.6.6 Configuration Management (aircraft/equipment records)								-	-	-
2.6.7 Operate Core Automated Maintenance Systems CAMS/IMDS										
2.6.7.1 Create discrepancy	*							b	-	-
2.6.7.2 Schedule discrepancy	*							b	-	-
2.6.7.3 Defer discrepancy	*							b	-	-
2.6.7.4 Transfer discrepancy	*							b	-	-
2.6.7.5 Sign off discrepancy										
2.6.7.5.1 Cannibalization	*							b	-	-
2.6.7.5.2 Action taken code "P"	*							b	-	-
2.6.7.5.3 Action taken code "Q"	*							b	-	-
2.6.7.5.4 Action taken code "R"	*							b	-	-
2.6.7.5.5 Special Inspections								b	-	-
2.6.7.5.6 In-Progress Inspection (IPI)		*						-	-	-
2.6.7.5.7 Supply transactions								-	-	-
2.6.7.5.8 Maintenance/Supervision Transactions								-	-	-
2.6.7.6 Complete course J6ANU00066 0XX IMDS for Flightline or J6ANU00066 0XX IMDS for Backshop	*/R							-	-	-
2.6.7.7 Complete Course J6ANU00066 0XX IMDS for Supervisors		*/R						-	-	-
2.6.7.8 GO81 (CAMS for Mobility) TR: AMCI 21-101										
2.6.7.8.1 Use MDC action screen (close discrepancy)	*							-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.6.7.8.2 Use close discrepancy screen (without MDC)								-	-	-
2.6.7.8.3 Use report request screen								-	-	-
2.6.7.8.4 Use AFTO Form 350 Tag creation screen	*							-	-	-
2.6.7.8.5 Use ordering aircraft parts screen	*							-	-	-
2.6.7.8.6 Use completed discrepancy screen								-	-	-
2.6.7.8.7 Use work center discrepancy screen								-	-	-
2.6.7.8.8 Use screen event/supply workable discrepancy screen								-	-	-
2.6.8 Material Deficiency Reporting System										
2.6.8.1 Deficiency Reporting System								-	B	-
2.6.8.2 Initiate software improvement/deficiency report								-	-	-
2.6.9 Use Aircraft/Equipment Maintenance Forms TR: 00-20-1										
2.6.9.1 781A	*							b	A	-
2.6.9.2 781B								-	A	-
2.6.9.3 781C								-	-	-
2.6.9.4 781D								-	-	-
2.6.9.5 781F								-	-	-
2.6.9.6 781H								b	A	-
2.6.9.7 781J								-	A	-
2.6.9.8 781K	*							b	A	-
2.6.9.9 781L								-	A	-
2.6.9.10 781M								-	-	-
2.6.9.11 AFTO Form 244/245								-	A	-
2.6.9.12 AF Form 1492 Warning Tags								-	-	-
2.7 SUPERVISION										
2.7.1 Orient new personnel TR: AFI 36-2108, 36-2201								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.7.2 Assign personnel to work assignments TR: AFI 21-101 and applicable command directives								-	-	-
2.7.3 Plan work assignments and priorities TR: AFI 21-101 and applicable command directives								-	-	-
2.7.4 Schedule work assignments and priorities TR: AFI 21-101 and applicable command directives								-	-	-
2.7.5 Coordinate work assignments TR: AFI 21-101 and applicable and command directives								-	-	-
2.7.6 Establish TR: AFI 21-101 and applicable command directives										
2.7.6.1 Work methods								-	-	-
2.7.6.2 Controls								-	-	-
2.7.6.3 Performance Standards								-	-	-
2.7.6.4 Resource Protection								-	-	-
2.7.7 Evaluate work performance TR: AFI 21-101 and applicable command directives								-	-	-
2.7.8 Help resolve technical problems TR: AFI 36-2101, 32-2201								-	-	-
2.7.9 Initiate actions to correct substandard performance TR: Applicable 36-2903, -2907, -3202, -3208								-	-	-
2.7.10 Counsel personnel and help resolve individual problems TR: AFP 36-2618								-	-	-
2.7.11 Supervise TR: AFMAN 36-2108, AFIs 36-2201, 36-2103, 00-20-1										
2.7.11.1 Maintenance actions								-	-	-
2.7.11.2 Inspection actions								-	-	-
2.7.12 Justify TR: AFI 21-101 and applicable command directives										
2.7.12.1 Personnel manning requirements								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.7.12.2 Equipment Authorizations								-	-	-
2.7.13 Statement of charges TR: DODR 700-14V4, DOD 7200-1								-	-	-
2.7.14 Perform Reports Of Survey TR: DODR 700-14V4, DOD 7200-1								-	-	-
2.7.15 Aircraft Scheduling TR: AFI 21-101 and applicable MAJCOM Instructions										
2.7.15.1 Utilize flow charts								-	-	-
2.7.15.2 Status reporting								-	-	-
2.7.15.3 Flying/maintenance plan								-	-	-
2.8 TRAINING TR: AFI 36-2201										
2.8.1 Evaluate personnel for need of training								-	-	-
2.8.2 Plan And Supervise OJT/EST										
2.8.2.1 Prepare JQs (AF Form 797s)								-	-	-
2.8.2.2 Conduct Training								-	-	-
2.8.2.3 Counsel Trainees on their progress								-	-	-
2.8.2.4 Provide motivation for trainers and trainees								-	-	-
2.8.3 Monitor Effectiveness Of Training TR: AFI 36-2201										
2.8.3.1 Career knowledge upgrade								-	-	-
2.8.3.2 Job proficiency upgrade								-	-	-
2.8.3.3 Qualification Training								-	-	-
2.8.3.4 Maintain training records								-	-	-
2.8.3.5 Evaluate effectiveness of training programs								-	-	-
2.8.3.6 Recommend personnel for training								-	-	-
2.8.4 OJT Trainer Requirements TR: AFI 36-2201										
2.8.4.1 Prepare teaching outlines of tasks breakdowns								-	-	-
2.8.4.2 Provide trainees theory and training on actual equipment								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	ing Start	ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.8.4.3 Provide feedback on training provided								-	-	-
2.8.5 OJT Task Certifier Requirements TR: AFI 36-2201										
2.8.5.1 Develop methods of evaluation to determine trainee knowledge/qualification and training effectiveness								-	-	-
2.8.5.2 Use appropriate method of evaluation and effectively determine trainees ability								-	-	-
2.8.5.3 Provide supervisor and trainee feedback on results of training provided, and trainees strengths/weakness								-	-	-
2.9 TECHNICAL PUBLICATIONS TR: Applicable 00-series technical orders, 80-00-1										
2.9.1 Scope and application of the technical order system (AFTO Form 22)								A	B	-
2.9.2 Technical Order (TO) Management								-	-	-
2.9.3 Use technical order indexes								-	-	-
2.9.4 Use technical orders								2b	-	-
2.9.5 Initiate technical order improvement/deficiency report								a	B	-
2.9.6 Scope and application of the Computer Program Identification Number (CPIN) system								A	B	-
2.9.7 Use CPIN compendium								-	-	-
2.9.8 Maintain technical order files								-	-	-
2.9.9 Time Compliance technical orders (TCTO)								-	A	-
2.10 SUPPLY DISCIPLINE TR: AFI 21-101, AFMAN 23-110										
2.10.1 Supply principles								-	-	-
2.10.2 Property accountability and responsibility								A	B	-
2.10.3 Principles of equipment authorization and management								-	A	-
2.10.4 Special requisitions								-	-	-
2.10.5 Back order verification								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.10.6 Use equipment condition tags								b	-	-
2.10.7 Use issue/turn-in requests								a	-	-
2.10.8 Maintenance Supply Concept								-	-	-
2.10.9 Supply Documents Management								-	-	-
2.10.10 Equipment Account Management								-	-	-
2.10.11 Status of Reports and Training (SORTS)								-	-	-
2.10.12 Priority System								-	-	-
2.10.13 Repair Cycle Assets								-	-	-
2.10.14 Standard Base Supply System (SBSS)								A	-	-
2.10.15 FEDLOG								A	-	-
2.10.16 Classified Asset Handling								-	-	-
2.10.17 Land Mobile Radios, Pagers, and Cell Phones								-	-	-
2.10.18 Depot level repair								-	-	-
2.10.19 Use Supply Products TR: AFMAN 23-110										
2.10.19.1 DO4 (Daily Document Register)								-	-	-
2.10.19.2 D18 (Priority Monitor List)								-	-	-
2.10.19.3 M30 (Due-out Validation Listing)								-	-	-
2.10.19.4 D23								-	-	-
2.11 FUNDAMENTALS OF ON-EQUIPMENT MAINTENANCE TR: Applicable aircraft -1 and -2 series technical orders										
2.11.1 Use common tools TR: AFI 91-408, technical orders 00-25-234, 32-1-1, 32-1-2, 32-1-101, 32-1-211								2b	-	-
2.11.2 Use Torque Indicating Devices	*							2b	-	-
2.11.3 Use special purpose tools								-	-	-
2.11.4 Protection procedures when handling Electrostatic Sensitive Devices								A	B	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.11.5 Use panel sealant(s)/gasket(s)								-	-	-
2.11.6 Identify and perform corrosion control								a	-	-
2.11.7 Inventory and inspect CTKs								2b	-	-
2.11.8 Use Safetying Devices										
2.11.8.1 Safety wire								2b	-	-
2.11.8.2 Shear wire								2b	-	-
2.11.8.3 DMC Safe-T Cable								-	-	-
2.11.9 Remove and install										
2.11.9.1 Shock mounted	*							2b	-	-
2.11.9.2 Tray mounted	*							2b	-	-
2.11.9.3 Rack mounted	*							2b	-	-
2.11.9.4 Console mounted	*							2b	-	-
2.11.9.5 Aircraft surface mounted	*							2b	-	-
2.11.9.6 Clamp mounted components								-	-	-
2.11.9.7 Bezel mounted components								-	-	-
2.11.9.8 Latch mounted components								-	-	-
2.12 AIRCRAFT FAMILIARIZATION TR: Applicable aircraft technical orders										
2.12.1 Major structural areas								A	-	-
2.12.2 Major systems								A	-	-
2.12.3 Danger areas								B	B	-
2.12.4 Egress Systems								A	-	-
2.12.5 Practice safe entry procedures on aircraft with open fuel cells								-	-	-
2.12.6 Purpose of radar absorption material (RAM)								A	-	-
2.12.7 Use Powered AGE										
2.12.7.1 Bleed Air Cart								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.12.7.2 Heater								-	-	-
2.12.7.3 Air Conditioner								-	-	-
2.12.7.4 Light Cart								-	-	-
2.12.7.5 Air Compressor										
2.12.7.5.1 MC-1A								-	-	-
2.12.7.5.2 MC-2A								-	-	-
2.12.7.6 Ground Power Unit								-	-	-
2.12.7.7 Powered man-lift(s)								-	-	-
2.12.7.8 Motorized maintenance stand								-	-	-
2.12.8 Use Non-Powered AGE TR: AFI 91-408										
2.12.8.1 Maintenance Platform (B-1)								-	-	-
2.12.8.2 Maintenance Platform (B-2)								-	-	-
2.12.8.3 Maintenance Platform (B-4/B-5)								-	-	-
2.12.8.4 Maintenance Platform (B-7)								-	-	-
2.12.8.5 Maintenance Platform (C-1)								-	-	-
2.12.9 Use Special Purpose Vehicles TR: Operator Manuals										
2.12.9.1 High Reach								-	-	-
2.12.9.2 Deicer								-	-	-
2.12.9.3 Cranes								-	-	-
2.12.10 Launch/Recover aircraft								-	-	-
2.13 FUNDAMENTALS OF AVIONICS SYSTEMS MAINTENANCE TR: Applicable aircraft -1 and -2 series technical orders										
2.13.1 Principles								-	-	-
2.13.2 Nuclear hardness maintenance and inspections TR: Applicable system JG-00-1, 1-1A-14								A	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.13.3 Source of EMI										
2.13.3.1 Identify								A	-	-
2.13.3.2 Locate								-	-	-
2.13.3.3 Eliminate								-	-	-
2.13.4 Source of RFI										
2.13.4.1 Identify								A	-	-
2.13.4.2 Locate								-	-	-
2.13.4.3 Eliminate								-	-	-
2.13.5 Data Bus Principles/Maintenance Practices TR: Applicable aircraft technical orders										
2.13.5.1 Local Area Networks (OWS-LAN) 802.3								-	-	-
2.13.5.2 MIL-STD-1553A								A	B	-
2.13.5.3 MIL-STD-1553B								A	B	-
2.13.5.4 RS-232								-	-	-
2.13.5.5 RS-422								-	-	-
2.13.5.6 MIL-STD-1760								-	-	-
2.13.5.7 Fiber Optics								A	B	-
2.13.5.8 Troubleshoot data bus								-	-	-
2.14 GENERAL RADAR SYSTEMS										
2.14.1 Theory of Operation										
2.14.1.1 Antenna systems								B	B	-
2.14.1.2 Transmitters								B	B	-
2.14.1.3 Receivers								B	B	-
2.14.1.4 Ground Mapping								A	A	-
2.14.1.5 Search/Weather Radar								A	A	-
2.14.1.6 Terrain Avoidance								A	A	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.14.1.7 Terrain Following								A	A	-
2.14.1.8 Target Acquisition								A	A	-
2.14.1.9 Bombing Radar								A	A	-
2.14.1.10 Synthetic Aperture Radar								A	A	-
2.14.1.11 Rendezvous Beacon								A	-	-
2.14.1.12 Station Keeping								A	-	-
2.14.1.13 Radar Altimeter								B	B	-
2.14.2 Ground Mapping Radar										
2.14.2.1 Purpose and Characteristics								B	-	-
2.14.2.2 System Tie -In/Integration								A	-	-
2.14.3 Search/Weather Radar										
2.14.3.1 Purpose and Characteristics								B	-	-
2.14.3.2 System Tie -In/Integration								A	-	-
2.14.3.3 Perform operational checks								2b	-	-
2.14.3.4 Remove and install LRUs								2b	-	-
2.14.4 Radar Altimeter										
2.14.4.1 Purpose and Characteristics								B	-	-
2.14.4.2 System Tie -In/Integration								A	-	-
2.14.4.3 Perform operational checks								2b	-	-
2.14.4.4 Remove and install LRUs								2b	-	-
2.15 GENERAL COMPUTER COMPLEX SYSTEMS										
2.15.1 Principles										
2.15.1.1 Central Processing Unit								A	B	-
2.15.1.2 Memory Storage Devices								A	B	-
2.15.1.3 Modem/Handshaker								A	B	-
2.15.1.4 Power Supply								A	B	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.15.2 Controls and Displays										
2.15.2.1 Purpose and Characteristics								B	B	-
2.15.2.2 Theory of Operation								B	B	-
2.15.2.3 System Tie -In/Integration								A	-	-
2.15.2.4 Perform operational checks								-	-	-
2.15.3 Computational Subsystem										
2.15.3.1 Purpose and Characteristics								B	B	-
2.15.3.2 Theory of Operation								B	B	-
2.15.3.3 System Tie -In/Integration								A	-	-
2.15.4 Interface Subsystem										
2.15.4.1 Purpose and Characteristics								A	-	-
2.15.4.2 Theory of Operation								A	-	-
2.15.5 Data Transfer System										
2.15.5.1 Purpose and Characteristics								B	B	-
2.15.5.2 Theory of Operation								B	B	-
2.15.5.3 System Tie -In/Integration								A	-	-
2.15.6 Boolean Equations								B	-	-
2.16 GENERAL NAVIGATION SYSTEMS										
2.16.1 Principles										
2.16.1.1 Earth Coordinate System								B	B	-
2.16.1.2 Great Circle Navigation								B	B	-
2.16.1.3 Navigate								2b	-	-
2.16.2 Global Positioning System (GPS)										
2.16.2.1 Purpose and Characteristics								B	B	-
2.16.2.2 Theory of Operation								B	B	-
2.16.2.3 System Tie -In/Integration								A	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.16.2.4 Perform operational checks								2b	-	-
2.16.3 Doppler										
2.16.3.1 Purpose and Characteristics								A	-	-
2.16.3.2 Theory of Operation								A	-	-
2.16.3.3 System Tie -In/Integration								A	-	-
2.16.4 Inertial Navigation System (INS)										
2.16.4.1 Purpose and Characteristics								B	B	-
2.16.4.2 Theory of Operation								B	B	-
2.16.4.3 System Tie -In/Integration								A	-	-
2.16.4.4 Perform operational checks								2b	-	-
2.16.5 Tactical Air Navigation (TACAN)										
2.16.5.1 Purpose and Characteristics								B	B	-
2.16.5.2 Theory of Operation								B	B	-
2.16.5.3 System Tie -In/Integration								A	-	-
2.16.5.4 Perform operational checks								2b	-	-
2.16.5.5 Isolate Malfunctions								2b	-	-
2.16.6 Instrument Landing System (ILS)										
2.16.6.1 Purpose and Characteristics								B	B	-
2.16.6.2 Theory of Operation								B	B	-
2.16.6.3 Perform operational checks								2b	-	-
2.16.6.4 Isolate Malfunctions								2b	-	-
2.16.7 VHF Omni directional Range (VOR)										
2.16.7.1 Purpose and Characteristics								B	B	-
2.16.7.2 Theory of Operation								B	B	-
2.16.7.3 Perform operational checks								2b	-	-
2.16.7.4 Isolate Malfunctions								2b	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.16.8 Microwave Landing Systems (MLS)										
2.16.8.1 Purpose and Characteristics								B	B	-
2.16.8.2 Theory of Operation								B	B	-
2.16.9 Automatic Direction Finding System (ADF)										
2.16.9.1 Purpose and Characteristics								A	-	-
2.16.9.2 Theory of Operation								A	-	-
2.16.10 Identify Friend or Foe (IFF)										
2.16.10.1 Purpose and Characteristics								B	B	-
2.16.10.2 Theory of Operation								B	B	-
2.16.10.3 System Tie-In/Integration								A	-	-
2.16.10.4 Perform operational checks								2b	-	-
2.16.10.5 Isolate Malfunctions								2b	-	-
2.16.11 Traffic Alert And Collision Avoidance System										
2.16.11.1 Purpose and Characteristics								B	B	-
2.16.11.2 Theory of Operation								B	B	-
2.17 GENERAL COMMUNICATION SYSTEMS										
2.17.1 Principles										
2.17.1.1 Transmitters								B	B	-
2.17.1.2 Receivers								B	B	-
2.17.1.3 Transponders								B	B	-
2.17.1.4 Antennas								A	A	-
2.17.1.5 Transmission Lines								B	B	-
2.17.1.6 Modulation								B	-	-
2.17.2 Cryptographic devices TR: TM 3155-2 USC-43-2; applicable aircraft technical orders										
2.17.2.1 Purpose and Characteristics								B	B	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.17.2.2 Theory of Operation								B	B	-
2.17.2.3 Cryptographic Loading Devices TR: Applicable Technical Data										
2.17.2.3.1 Inspect								-	-	-
2.17.2.3.2 Use								2b	-	-
2.17.2.3.3 Load								2b	-	-
2.17.3 Wideband Secure Voice (WBSV)										
2.17.3.1 Purpose and Characteristics								B	B	-
2.17.3.2 Theory of Operation								B	B	-
2.17.3.3 Perform operational checks								2b	-	-
2.17.4 Narrowband Secure Voice (NBSV)										
2.17.4.1 Purpose and Characteristics								B	B	-
2.17.4.2 Theory of Operation								B	B	-
2.17.4.3 Perform operational checks								2b	-	-
2.17.5 Multipurpose/Multimode Communications TR: Applicable aircraft technical orders										
2.17.5.1 Purpose of Characteristics								B	B	-
2.17.5.2 Theory of Operation								B	B	-
2.17.5.3 Perform operational checks								2b	-	-
2.17.6 Emergency Communication Systems TR: Applicable aircraft technical orders										
2.17.6.1 Underwater Acoustical Beacon (UAB)										
2.17.6.1.1 Purpose and Characteristics								A	A	-
2.17.6.1.2 Theory of Operation								A	A	-
2.17.6.2 Emergency Locator Transmitter										
2.17.6.2.1 Purpose and Characteristics								A	A	-
2.17.6.2.2 Theory of Operation								A	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.17.6.3 Cockpit Voice Recorder										
2.17.6.3.1 Purpose and Characteristics								A	-	-
2.17.6.3.2 Theory of Operation								A	-	-
2.17.7 Interphone Systems										
2.17.7.1 Purpose and Characteristics								A	B	-
2.17.7.2 Theory of Operation								A	B	-
2.17.7.3 System Tie -In/Integration								A	-	-
2.17.7.4 Perform operational checks								2b	-	-
2.17.8 High Frequency System (HF)										
2.17.8.1 Purpose and Characteristics								B	B	-
2.17.8.2 Theory of Operation								B	B	-
2.17.8.3 Perform operational checks								2b	-	-
2.17.8.4 Isolate Malfunctions								2b	-	-
2.17.9 Ultra High Frequency System (UHF)										
2.17.9.1 Purpose and Characteristics								B	B	-
2.17.9.2 Theory of Operation								B	B	-
2.17.9.3 Perform operational checks								2b	-	-
2.17.9.4 Isolate Malfunctions								2b	-	-
2.17.10 Very High Frequency System (VHF)										
2.17.10.1 Purpose and Characteristics								B	B	-
2.17.10.2 Theory of Operation								B	B	-
2.17.10.3 Perform operational checks								2b	-	-
2.17.11 Demand Assigned Multiple Access (DAMA) SATCOM										
2.17.11.1 Purpose and Characteristics								B	-	-
2.17.11.2 Theory of Operation								B	-	-
2.17.12 Data Link Systems										

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.17.12.1 Purpose and Characteristics								A	A	-
2.17.12.2 Theory of Operation								A	A	-
<b>2.18 AERIAL DELIVERY FUNDAMENTALS</b>										
2.18.1 Principles								B	-	-
2.18.2 Horizontal Delivery Problem								B	-	-
2.18.3 Vertical Delivery Problem								B	-	-
<b>2.19 PHOTOGRAPHIC/SENSOR SYSTEMS</b>										
2.19.1 Principles								B	-	-
2.19.2 Airborne Video Tape Recorder (AVTR)										
2.19.2.1 Purpose of Characteristics								B	B	-
2.19.2.2 Theory of Operation								B	B	-
2.19.3 Low Light Level Television Systems (LLTV)										
2.19.3.1 Purpose of Characteristics								B	B	-
2.19.3.2 Theory of Operation								B	B	-
2.19.4 Infrared Detection Systems										
2.19.4.1 Purpose and characteristics								B	B	-
2.19.4.2 Theory of operation								B	B	-
<b>2.20 AIRCRAFT WIRING</b>										
2.20.1 Capton								A	-	-
2.20.2 Multiconductor								A	-	-
2.20.3 Coaxial								A	-	-
2.20.4 Triaxial								A	-	-
2.20.5 Nuclear hardened								A	-	-
2.20.6 Twisted Pair								A	-	-
2.20.7 Single Conductor								A	-	-
2.20.8 Foamflex								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.21 PERFORM WIRE MAINTENANCE										
2.21.1 Stripping								2b	B	-
2.21.2 Splicing								2b	B	-
2.21.3 Bundling								2b	B	-
2.21.4 Strain Relief								2b	B	-
2.21.5 Continuity Checks								2b	-	-
2.21.6 Wire Repair								-	B	-
2.21.7 Solder/Desolder										
2.21.7.1 Wire terminals								-	-	-
2.21.7.2 Circuit (PC) Boards								-	-	-
2.21.7.3 Connectors										
2.21.7.3.1 Coaxial								-	-	-
2.21.7.3.2 Multipin								-	-	-
2.21.7.4 Switches										
2.21.7.4.1 U-92								-	-	-
2.21.7.4.2 U-94								-	-	-
2.21.7.5 Pot connectors								-	-	-
2.21.7.6 Splices								-	-	-
2.21.8 Assemble/Disassemble Solderless Connectors										
2.21.8.1 Crimp connectors	*							2b	-	-
2.21.8.2 Coaxial connectors								2b	-	-
2.21.8.3 Multipin connectors								-	-	-
2.22 USE TEST EQUIPMENT/SPECIAL TOOLS										
2.22.1 IFF Transponder Test Set								2b	B	-
2.22.2 Bus Analyzer								-	-	-
2.22.3 Radar Test Set								1a	B	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
2.22.4 Radio Altimeter Test Set								-	-	-
2.22.5 TACAN Test Set								2b	B	-
2.22.6 VOR/ILS Test Set								2b	B	-
2.22.7 Wattmeter								2b	B	-
2.22.8 Power Meter								-	-	-
2.22.9 Wire Maintenance Heat Tools								a	A	-
2.22.10 Modulation/Deviation Meter								-	-	-
2.22.11 Microwave Landing System Test Set								-	A	-
2.22.12 TCAS Test Set								-	A	-
2.22.13 TTU-205 Test Set								-	-	-
2.22.14 Laptop/Hand-Held Computers								-	-	-
2.22.15 RF Transmission Line Test Set								-	A	-
2.22.16 Time Domain Reflect meter (TDR)								2b	B	-
2.22.17 Bonding Meter								2b	-	-
2.22.18 Oscilloscope								2b	-	-
2.22.19 Digital Multimeter								2b	-	-
<b>2.23 REMOVE AND INSTALL COMMON ELECTRICAL COMPONENTS</b>										
2.23.1 Switches								-	-	-
2.23.2 Relays								-	-	-
2.23.3 Circuit breakers								-	-	-
2.23.4 Terminal/modular blocks								-	-	-
2.23.5 Capacitors/resistors/diodes								-	-	-
2.23.6 Lights/light bulbs								-	-	-
2.23.7 Fans/blowers								-	-	-
2.23.8 Transformers								-	-	-

## COMMON TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
2.24 DIGITAL NUMBERING SYSTEM										
2.24.1 Conversion										
2.24.1.1 Binary								-	B	-
2.24.1.2 Octal								B	B	-
2.24.1.3 Hexadecimal								-	B	-
2.24.1.4 Binary Coded Decimal								-	B	-
2.24.2 Binary Math Operation								-	-	-



## B-1B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

Attachment 3 - B-1B Training Requirements NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using B-1B aircraft/systems. If B-1B aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

3.1 GENERAL ORGANIZATIONAL MAINTENANCE										
3.1.1 Aircraft Familiarization TR: 1B-1B-2-00GV-00-1 (Chapter 2), 1B-2A-00GV-00-1										
3.1.1.1 Major systems								-	-	-
3.1.1.2 Danger areas								-	-	-
3.2 GENERAL MAINTENANCE TASKS TR: 1B-1B-2-05JG-10-1, -05JG-50-1, -05JG-80-1, -12JG-10-2, -12JG-30-1, -12JG-80-1, -49JG-00-2, -707JG-30-1										
3.2.1 Flightline safety/precautions/security								-	-	-
3.2.2 Inspect/Use ground maintenance stands								-	-	-
3.2.3 Dropped object prevention program (DOPP)								-	-	-
3.2.4 Ensure aircraft safe for maintenance	*							-	-	-
3.2.5 Apply external power	*							-	-	-
3.2.6 Apply external air conditioning	*							-	-	-
3.2.7 Open and close panels, engine cowlings, and radomes								-	-	-
3.2.8 Debrief aircrews								-	-	-
3.2.9 Launch/Recover aircraft								-	-	-
3.2.10 Perform aircraft marshalling procedures								-	-	-
3.2.11 Aircraft Wash								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.2.12 Fire Guard TR: Task 49-00-01, 1B-1B-2-70JG-30-1								-	-	-
3.2.13 Aircraft Jacking										
3.2.13.1 Jack Observer TR: Task 05-81-01								-	-	-
3.2.14 Wing/Tail-walking								-	-	-
3.2.15 Aircraft Towing										
3.2.15.1 Brake operator								-	-	-
3.2.16 Crew Ladder Gravity Extend TR: Task 05-11-02/05-11-04								-	-	-
3.2.17 Crew Ladder Electrical Extend and Retract TR: Task 05-11-02/05-11/05								-	-	-
3.2.18 Crew Ladder Manual Extend and Retract TR: Task 05-11-03/05-11-06								-	-	-
3.2.19 Wheelwell Door Opening (Manual) TR: Task 05-52-01-3								-	-	-
3.2.20 Central Aircraft Support System (CASS)								-	-	-
3.2.21 Air Recirculation Coolant Loop Ground Cooling TR: Task 21-82-01								-	-	-
3.2.22 Operate Universal Maintenance Stand								-	-	-
3.2.23 Operate Auxiliary Power Unit TR: Task 49-00-02								-	-	-
3.2.24 APU Servicing TR: Task 12-32-02								-	-	-
3.2.25 System Integration-Purpose and Interface TR: 1B-1B-2-40GS-XX								-	-	-
3.2.26 Use Technical Orders								-	-	-
3.2.27 Use wiring diagrams for fault isolation TR: 1B-1B-2-00-WD-XX/XX, WD-00								-	-	-
3.3 COMMUNICATION SYSTEMS										
3.3.1 Audio Integrating Subsystem										
3.3.1.1 Theory of Operation								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.3.1.2 Perform operational check TR: 1B-2-23JG-50-1										
3.3.1.2.1 Crew Intercom TR: Task 23-51-01	*							-	-	-
3.3.1.2.2 Station Unit operational check TR: Task 23-51-02								-	-	-
3.3.1.3 Fault isolate TR: 1B-2-23GS-00-1, -23JG-50-1, -23WD-00-X								-	-	-
3.3.1.4 Remove and Install										
3.3.1.4.1 Central Control Unit TR: Task 23-51-10								-	-	-
3.3.1.4.2 Crew Station Unit TR: Task 23-51-11								-	-	-
3.3.1.4.3 Maintenance Station Unit TR: Task 23-52-10								-	-	-
3.3.2 Aural Tone Generator System										
3.3.2.1 Theory of operation TR: 1B-2-31-GS-00-1								-	-	-
3.3.2.2 Perform GRT TR: Task 40GRT-41-05								-	-	-
3.3.2.3 Fault isolate TR: 1B-2-31GS-00-1, 1B-2-31JG-50-1								-	-	-
3.3.2.4 Remove and install Aural Tone Generator TR: Task 31-50-10								-	-	-
3.3.3 AN/ARC-190 System										
3.3.3.1 Theory of Operation TR: 1B-2-23GS-00-01								-	-	-
3.3.3.2 HF Transformer Check TR: Task 23-11-12-1								-	-	-
3.3.3.3 Perform HF operational check TR: Task 23-11-01	*							-	-	-
3.3.3.4 Isolate and Repair TR: 1B-2-23GS-00-1;, -23JG-10-1, -23WD-00-1								-	-	-
3.3.3.5 Remove and install TR: 1B-2-23JG-10-1										
3.3.3.5.1 Radio Set Control TR: Task 23-11-10								-	-	-
3.3.3.5.2 Receiver/Transmitter TR: Task 23-11-11								-	-	-
3.3.3.5.3 Transformer TR: Task 23-11-12								-	-	-
3.3.3.5.4 Antenna Coupler TR: Task 23-11-13								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.3.3.5.5 Antenna Cone TR: Task 23-11-15								-	-	-
3.3.3.5.6 Antenna Adapter TR: Task 23-11-14								-	-	-
3.3.4 UHF/VHF										
3.3.4.1 Theory of Operation TR: 1B-2-23JG-20-1								-	-	-
3.3.4.2 Perform operational check TR: 1B-2-23JG-20-1										
3.3.4.2.1 UHF 1 Check TR: Task 23-21-01	*							-	-	-
3.3.4.2.2 VHF/UHF Check TR: Task 23-21-02	*							-	-	-
3.3.4.2.3 Communication and Traffic Control TR: Task 23-21-10								-	-	-
3.3.4.2.4 Secure Check TR: Task 23-22-01	*							-	-	-
3.3.4.2.5 AFSATCOM Transformer and HPA Transformer/Rectifier TR: Task 23-21-12								-	-	-
3.3.4.3 Fault isolate TR: 1B-2-23GS-00-1, -23JG-20-1, -23WD-00-1								-	-	-
3.3.4.4 Remove and Install										
3.3.4.4.1 C&TC panel TR: Task 23-21-10								-	-	-
3.3.4.4.2 Radio set control TR: Task 23-21-11								-	-	-
3.3.4.4.3 AFSATCOM transformer and HPA Transformer/Rectifier TR: Task 23-21-12								-	-	-
3.3.4.4.4 Receiver/Transmitter TR: Task 23-21-13								-	-	-
3.3.4.4.5 Auto antenna selector TR: Task 23-21-14								-	-	-
3.3.4.4.6 Search power antenna relays #1 and #2 key relays 1 and 2 TR: Task 23-21-15								-	-	-
3.3.4.4.7 Antenna relays #1 and #2 and LOS/SATCOM Relay TR: Task 23-21-17								-	-	-
3.3.4.4.8 Computer KY 58/KY 100 TR: Task 23-22-10								-	-	-
3.3.4.4.9 Control Panel KY 100 TR: Task 23-22-11								-	-	-
3.3.4.4.10 HPA TR: Task 23-21-16								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.3.5 AN/ASC-19 AFSATCOM System										
3.3.5.1 Theory of Operation TR: 1B-2-23GS-00-1								-	-	-
3.3.5.2 Perform SATCOM operational check TR: Task 23-23-01	*							-	-	-
3.3.5.3 Isolate and Repair TR: 1B-2-23GS-00-1, -23JG-20-2, -23WD-00-01								-	-	-
3.3.5.4 Remove and install TR: 1B-2-34JG-20-2										
3.3.5.4.1 Control Power Supply TR: Task 23-23-10								-	-	-
3.3.5.4.2 Telegraph Modem and Memory Unit TR: Task 23-23-11/21								-	-	-
3.3.5.4.3 Keyboard Control TR: Task 23-23-13								-	-	-
3.3.5.4.4 Teleprinter TR: Task 23-23-12								-	-	-
3.3.5.4.5 Control Indicator TR: Task 23-23-13								-	-	-
3.3.5.4.6 Transfer, Bypass Relays and Receiver Selection Relay TR: Task 23-23-15								-	-	-
3.3.5.4.7 LNA/DIPLEXED TR: Task 23-23-16								-	-	-
3.3.5.4.8 RF Load TR: Task 23-23-19								-	-	-
3.3.5.4.9 SATCOM Transformer TR: Task 23-23-22								-	-	-
3.3.5.4.10 SATCOM Antenna TR: Task 23-23-20										
3.4 NAVIGATIONAL SYSTEMS								-	-	-
3.4.1 Inertial Navigation System (INS)										
3.4.1.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.4.1.2 Perform Ground Readiness Test (GRT)/operational check TR: 1B-2-40JG-34-1, -2, -34JG-40-1										
3.4.1.2.1 115 VAC Transformer TR: Task 34-41-12-1								-	-	-
3.4.1.2.2 26 VAC Transformer TR: Task 34-41-13-1								-	-	-
3.4.1.2.3 Inertial Navigation System GRT TR: Task 40GRT -34-40/41								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.4.1.2.4 Perform Inertial Navigation Alignment TR: 1B-2-34JG-40-1								-	-	-
3.4.1.2.5 Precision ground alignment TR: Task 34-41-01-1								-	-	-
3.4.1.2.6 Stored heading alignment TR: Task 34-41-01-2								-	-	-
3.4.1.2.7 GSS heading alignment TR: Task 34-41-01-3								-	-	-
3.4.1.2.8 Inertial Navigation Coefficient/Fault Ball Reset TR: Task 34-41-02								-	-	-
3.4.1.3 Fault isolate TR: 1B-2-34GS-00-1, -34WD-00-1, -40JG-34-1, -2								-	-	-
3.4.1.4 Remove and install TR: 1B-2-34JG-40-1										
3.4.1.4.1 INU TR: Task 34-41-10								-	-	-
3.4.1.4.2 115 VAC Transformer TR: Task 34-41-12								-	-	-
3.4.1.4.3 26 VAC Transformer TR: Task 34-41-13								-	-	-
3.4.2 Communication and Navigation Management Systems (CNMS) TR: 1B-2-34JG-50-4										
3.4.2.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.4.2.2 Perform operational checks TR: 1B-2-34JG-50-4										
3.4.2.2.1 GPS operational check TR: Task 34-55-01	*							-	-	-
3.4.2.2.2 115 VAC Transformer Operational check TR: Task 34-55-22-1								-	-	-
3.4.2.2.3 Synchro Repeater Transformer operational check TR: Task 34-55-23-1								-	-	-
3.4.2.3 Fault isolate TR: 1B-2-34GS-00-1, -2, -34WD-00-1, -34JG-50-4								-	-	-
3.4.2.4 Remove and Install TR: 1B-2-34JG-50-4										
3.4.2.4.1 Miniaturized airborne GPS Receiver TR: Task 34-55-11								-	-	-
3.4.2.4.2 Antenna Electronics Unit TR: Task 34-55-15								-	-	-
3.4.2.4.3 Antenna TR: Task 34-55-14								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.4.2.4.4 Control Display Unit TR: Task 34-55-10								-	-	-
3.4.2.4.5 Data Transfer Interface Unit TR: Task 34-55-12								-	-	-
3.4.2.4.6 Data Transfer Cartridge (DTC) TR: Task 34-55-13								-	-	-
3.4.2.4.7 Bus Signal Interface Unit (BSIU) TR: Task 34-55-16								-	-	-
3.4.2.4.8 Synchro Repeater TR: Task 34-55-17								-	-	-
3.4.2.4.9 Bus Switching Relay (BSR) TR: Task 34-55-18								-	-	-
3.4.2.4.10 CNMS Data Link Terminal (DLT) TR: Task 34-55-19								-	-	-
3.4.2.4.11 Relay Panel Assembly TR: Task 34-55-20								-	-	-
3.4.2.4.12 Relay Panel Assembly Repair TR: Task 34-55-20-4								-	-	-
3.4.2.4.13 Relay Bracket Assembly TR: Task 34-55-21								-	-	-
3.4.2.4.14 Relay Bracket Assembly Repair TR: Task 34-55-21-4								-	-	-
3.4.2.4.15 Miniaturized Airborne GPS Receiver TR: Task 34-55-1-8								-	-	-
3.4.2.4.16 115 VAC Transformer TR: Task 34-55-22								-	-	-
3.4.2.4.17 Synchro Repeater 28 VDC Transformer TR: Task 34-55-23								-	-	-
3.4.3 AN/APX-101 Identify Friend or Foe (IFF)										
3.4.3.1 Theory of Operation TR: 1B-2-34GS-1, -2								-	-	-
3.4.3.2 Perform operational check TR: 1B-2-34JG-50-2										
3.4.3.2.1 IFF operational check/Self Test/Mode IV Computer Loading TR: Task 34-53-01	*							-	-	-
3.4.3.2.2 IFF operational check using IFF test set TR: Task 34-53-02	*							-	-	-
3.4.3.2.3 IFF operational check Direct Hookup using the IFF test set TR: Task 34-53-03								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.4.3.2.4 Transformer operational check TR: Task 34-53-11-1										
3.4.3.3 Fault Isolate TR: 1B-2-34GS-00-1, -34JG-50-2, -34WD-00-2								-	-	-
3.4.3.4 Remove and install TR: 1B-2-34JG-50-2										
3.4.3.4.1 Transformer TR: Task 34-53-11								-	-	-
3.4.3.4.2 Transponder TR: Task 34-53-12								-	-	-
3.4.3.4.3 Control Panel TR: Task 34-53-10								-	-	-
3.4.3.4.4 KIT-1C Secure computer TR: Task 34-53-14								-	-	-
3.4.3.4.5 VHF/UHF/IFF Antenna and UHF/IFF Antenna TR: Task 34-53-15								-	-	-
3.4.3.4.6 KIT-1C Secure Computer Select Relay TR: Task 34-53-13								-	-	-
3.4.4 AN/APX-105 Rendezvous Beacon										
3.4.4.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.4.4.2 Perform operational check TR: 1B-2-34JG-50-3; Task 34-54-01	*							-	-	-
3.4.4.3 Fault Isolate TR: 1B-2-34GS-00-1, -2, -34JG-50-3, -34WD-00-1								-	-	-
3.4.4.4 Remove and Install TR: 1B-2-34JG-50-3										
3.4.4.4.1 Rendezvous Beacon Antenna TR: Task 34-54-12								-	-	-
3.4.4.4.2 Receiver/Transmitter TR: Task 34-54-11								-	-	-
3.4.4.4.3 Control Panel TR: Task 34-54-10								-	-	-
3.4.5 AN/ARN-108 Instrument Landing System (ILS)										
3.4.5.1 Theory of Operation TR: 1B-2-34GS-00-1								-	-	-
3.4.5.2 Perform operational checks TR: 1B-2-34JG-30-1										
3.4.5.2.1 ILS operational check using ILS test set TR: Task 34-31-01	*							-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.4.5.2.2 Marker Beacon Light Check/Repair TR: Task 34-31-10								-	-	-
3.4.5.3 Fault Isolate TR: 1B-2-34GS-00-1, -34JG-30-1, -34WD-00-1								-	-	-
3.4.5.4 Remove and Install TR: 1B-2-34JG-30-1										
3.4.5.4.1 Receiver TR: Task 34-31-14								-	-	-
3.4.5.4.2 Marker Beacon Antenna TR: Task 34-31-13								-	-	-
3.4.5.4.3 Localize r/Glide Slope Antenna TR: Task 34-31-12								-	-	-
3.4.5.4.4 Control Panel TR: Task 34-31-11								-	-	-
3.4.6 AN/ARN-118 (TACAN)										
3.4.6.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.4.6.2 Perform operational check TR: 1B-2-34JG-50-1										
3.4.6.2.1 TACAN Self Test operational check TR: Task 34-51-01	*							-	-	-
3.4.6.2.2 TACAN operational check TR: Task 34-51-02								-	-	-
3.4.6.2.3 Adjust digital to analog converter TR: Task 34-51-13-5								-	-	-
3.4.6.2.4 Transformer operational check TR: Task 34-51-11-1								-	-	-
3.4.6.3 Fault Isolate TR: 1B-2-34GS-00-1, -2, -34JG-50-1, 34WD-00-2								-	-	-
3.4.6.4 Remove and Install TR: 1B-2-34JG-50-1										
3.4.6.4.1 Receiver/Transmitter TR: Task 34-51-12								-	-	-
3.4.6.4.2 Digital to Analog converter TR: Task 34-51-13								-	-	-
3.4.6.4.3 Control Panel TR: Task 34-51-10								-	-	-
3.4.6.5 UHF/(TACAN) Antenna and VHF/UHF/(TACAN) Antenna TR: Task 34-51-15										
3.4.6.5.1 Transformer TR: Task 34-51-11								-	-	-
3.4.6.5.2 Mount Base TR: Task 34-51-14								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.4.7 Doppler Velocity Sensor										
3.4.7.1 Theory of Operation TR: 1B-2-34GS-00-1								-	-	-
3.4.7.2 Doppler Data Antenna/Receiver TR: Task 40-GRT-34-42								-	-	-
3.4.7.3 Fault Isolate TR: 1B-2-34GS-00-1, -34WD-00-1, -40JG-34-1, -2								-	-	-
3.4.7.4 Remove and Install TR: 1B-2-34JG-40-1										
3.4.7.4.1 Doppler Data Antenna/Receiver TR: Task 34-42-10								-	-	-
3.4.7.4.2 Replace Desiccant TR: Task 34-41-11								-	-	-
3.5 RADAR SYSTEMS										
3.5.1 Offensive Radar Systems (ORS)										
3.5.1.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.5.1.2 TF/TA Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-
3.5.1.3 Perform Ground/Readiness Test (GRT) and operational checks TR: 1B-2-40JG-34-1, -2										
3.5.1.3.1 Radar Set Channel GRT TR: Task 40GRT -34-43/44	*							-	-	-
3.5.1.3.2 Terrain Following Radar Control GRT TR: Task 40 GRT-34-45								-	-	-
3.5.1.3.3 Radar Set Control GRT TR: Task 40GRT -34-46								-	-	-
3.5.1.3.4 Video Recorder GRT TR: Task 40GRT -34-47								-	-	-
3.5.1.3.5 Perform Radar operational check TR: Task 34-43-02	*							-	-	-
3.5.1.3.6 Perform Waveguide pressurization leak check TR: Task 34-43-01								-	-	-
3.5.1.3.7 Radar Set Transformer operational check TR: Task 34-43-20-1								-	-	-
3.5.1.4 Fault isolate TR: 1B-2-34GS-00-1, -2, -34WD-00-1, -40JG-34-1								-	-	-
3.5.1.5 Use FH Page TR: 1B-2-34GS-00-1	*							-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.5.1.6 Remove and Install TR: 1B-2-34JG-40-2, -3, -4										
3.5.1.6.1 Radar Target Indicator (RTI) TR: Task 34-43-12								-	-	-
3.5.1.6.2 Radar Transmitter (RT) TR: Task 34-43-17								-	-	-
3.5.1.6.3 Radar Receiver Transmitter (RRT) TR: Task 34-43-16								-	-	-
3.5.1.6.4 Radar Signal Processor (RSP) TR: Task 34-43-15								-	-	-
3.5.1.6.5 Radar Video Signal Processor (RVSP) TR: Task 34-43-13								-	-	-
3.5.1.6.6 Terrain Following Radar Control TR: Task 34-43-10								-	-	-
3.5.1.6.7 Wave Guide Switch Assembly TR: Task 34-43-19								-	-	-
3.5.1.6.8 Radar Set Transformer 1 & 2 TR: Task 34-43-20								-	-	-
3.5.1.6.9 Radar Set Control (RSC) TR: Task 34-43-11								-	-	-
3.5.1.6.10 Antenna (LOA) TR: Task 34-43-18								-	-	-
3.5.1.6.11 LOA Repair and Inspect TR: Task 34-43-18-4, -6								-	-	-
3.5.1.6.12 Beam Steering Controller (BSC) TR: Task 34-43-21								-	-	-
3.5.1.6.13 Roll Resolver Power Supply (RRPS) TR: Task 34-43-23								-	-	-
3.5.1.6.14 Roll Electronics Assembly (REAL) TR: Task 34-43-24								-	-	-
3.5.1.6.15 Phase Control Module (PCM) Power Supply TR: Task 34-43-25								-	-	-
3.5.1.6.16 Beam Steering Control Power Supply								-	-	-
3.5.1.6.17 Offensive Radar Dehydrator TR: 1B-2-21JG-70-1; Task 21-71-13								-	-	-
3.5.1.6.18 Operate Antenna Lockout Box/Solenoid Tester								-	-	-
3.5.2 Radar Altimeter (RA)										
3.5.2.1 Theory of Operation TR: 1B-2-34GS-00-1, -2								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.5.2.2 Perform Ground Readiness Test (GRT) operational checks TR: 1B-2-40JG-34-1, -34JG-10-3										
3.5.2.2.1 Radar Altimeter GRT TR: Task 40GRT -34-16								-	-	-
3.5.2.2.2 Radar Altimeter Control Display GRT TR: Task 40GRT -34-17								-	-	-
3.5.2.2.3 Receiver/Transmitter Adjustment TR: Task 34-16-13-5								-	-	-
3.5.2.3 Fault Isolate TR: 1B-2-34GS-00-1, -34WD-00-1, -40JG-34-1								-	-	-
3.5.2.4 Remove and Install TR: 1B-2-34JG-10-3										
3.5.2.4.1 Receiver/Transmitter TR: Task 34-16-13								-	-	-
3.5.2.4.2 Height Indicator TR: Task 34-16-11								-	-	-
3.5.2.4.3 Radar Altimeter Control Display Panel TR: Task 34-16-10								-	-	-
3.5.2.4.4 Transmit/Receive Antenna TR: Task 34-16-12								-	-	-
3.6 MISSION SYSTEMS										
3.6.1 Avionics Control Unit Complex (ACUC)										
3.6.1.1 Theory of Operation TR: 1B-2-34GS-00-1, -2, -94GS-00-1, -2								-	-	-
3.6.1.2 ACUC startup and loading TR: Task 34-65-01	*							-	-	-
3.6.1.3 Perform Ground Readiness Test (GRT)/operational checks TR: 1B-2-40JG-34-1, -2, -34JG-60-2, -93JG-70-1										
3.6.1.3.1 Avionics Control Unit Complex Redundant Power Feed GRT TR: Task 40GRT -34-65								-	-	-
3.6.1.3.2 Terrain-Following Avionics Control Computer/Signal Data Converter TR: Task 40GRT -34-66/67								-	-	-
3.6.1.3.3 Data Transfer Control Unit TR: Task 40GRT -34-68								-	-	-
3.6.1.3.4 ACU Transformer operational check TR: Task 34-65-36-1/93-72-19-1								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.6.1.4 Fault Isolate TR: 1B-2-34GS-00-1, -34WD-00-1, -40JG-34-1, -94GS-00-1, -2								-	-	-
3.6.1.5 Remove and Install TR: 1B-2-34JG-60-2, -93JG-70-1										
3.6.1.5.1 Avionics Control Computer (ACC) and TFACU TR: Task 34-65-10/93-72-10								-	-	-
3.6.1.5.2 Signal Data Converter (SDC) TR: Task 34-65-20								-	-	-
3.6.1.5.3 Data Transfer Control TR: Task 34-65-26								-	-	-
3.6.1.5.4 Data Transfer Mount								-	-	-
3.6.1.5.5 Data Transfer Cartridge TR: Task 34-65-32								-	-	-
3.6.1.5.6 ACC Transformer 1-4 TR: Task 34-65-36, -93-72-19								-	-	-
3.7 CENTRAL INTEGRATED TEST SYSTEM (CITS)										
3.7.1 Theory of Operation TR: 1B-2-46GS-00-1								-	-	-
3.7.2 Use Parameter Monitor Codes for systems fault isolation TR: 1B-2-46JG-00-1, Para 1-93	*							-	-	-
3.7.3 Use CITS data snapshots TR: 1B-2-40GS-00-1								-	-	-
3.7.4 USE CITS diagnostic Display System (CDDS) TR: 33D7-3-380-1								-	-	-
3.7.5 CITS EMUX Maintenance Unit (CEMU) TR: 33D7-75-35-1										
3.7.5.1 Purpose and Interface								-	-	-
3.7.5.2 Use aircraft monitor modes								-	-	-
3.7.5.3 Use aircraft STIM codes								-	-	-
3.8 CONTROLS AND DISPLAYS SYSTEMS										
3.8.1 Theory of Operation TR: 1B-2-34GS-00-1, -2, -94GS-00-1, -2, -93GS-00-1								-	-	-
3.8.2 Perform Ground Readiness Test (GRT) TR: 1B-2-40JG-34-1, -2, -4JG-20-3								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.8.2.1 Perform Vertical Situation Display Indicator operational check TR: Task 34-28-11-1								-	-	-
3.8.2.2 Digital Computer/Multifunction Display Indicator GRT TR: Task 40GRT-34-60								-	-	-
3.8.2.3 Offensive System Operator Integrated Keyboard Control GRT TR: Task 40GRT-34-61								-	-	-
3.8.2.4 Offensive System Operator Tracking Handle GRT TR: Task 40GRT-34-62								-	-	-
3.8.2.5 Nav/Auxiliary Control Panel GRT TR: Task 40GRT-34-63								-	-	-
3.8.2.6 Bomb-Nav Control Panel GRT TR: Task 40GRT-34-64								-	-	-
3.8.2.7 Flight Instrument Interface GRT TR: Task 40GRT-34-69								-	-	-
3.8.3 Fault Isolate Controls and Displays TR: 1B-2-34GS-00-1, -34WD-00-1, -40JG-34-1, -34JG-20-3								-	-	-
3.8.4 Remove and Install TR: 1B-2-34JG-60-1, 2, -93JG-70-2, -34JG-20-3								-	-	-
3.8.4.1 Controls and Display Power Supply TR: Task 93-74-10								-	-	-
3.8.4.2 Multifunction Display Indicator (MDI) TR: Task 34-69-10								-	-	-
3.8.4.3 Digital Computer TR: Task 34-62-10								-	-	-
3.8.4.4 Vertical Situation Display Indicator TR: Task 34-28-11, 34-29-11								-	-	-
3.8.4.5 Vertical Situation Display Indicator Display Electronic Unit TR: Task 34-28-10, 34-29-10								-	-	-
3.8.4.6 Bomb Nav Control Panel TR: Task 34-64-10								-	-	-
3.8.4.7 NAV/AUX Control Panel TR: Task 34-63-10								-	-	-
3.8.4.8 Keyer Control (KC) TR: Task 34-62-11								-	-	-
3.8.4.9 Tracking Handle TR: Task 34-62-12								-	-	-
3.9 POWER CONTROL ASSEMBLIES (PCA)								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.9.1 Theory of Operation TR: 1B-2-24GS-00-1								-	-	-
3.9.2 Perform PCA operational checks TR: 1B-2-24JG-50-1, -2, -3, -4, -5										
3.9.2.1 2451A01 TR: Task 24-51-11								-	-	-
3.9.2.2 2451A02 TR: Task 24-51-11								-	-	-
3.9.2.3 2451A03 TR: Task 24-51-11								-	-	-
3.9.2.4 2451A04 TR: Task 24-51-11								-	-	-
3.9.2.5 2452A01 TR: Task 24-52-10								-	-	-
3.9.2.6 2452A03 TR: Task 24-52-11								-	-	-
3.9.2.7 2452A04 TR: Task 24-52-11								-	-	-
3.9.2.8 2452A06/2432B01 TR: Task 24-52-13								-	-	-
3.9.2.9 2453A01 TR: Task 24-53-10								-	-	-
3.9.2.10 2453A02 TR: Task 24-53-11								-	-	-
3.9.2.11 2453A03 TR: Task 24-53-11								-	-	-
3.9.2.12 2453A04 TR: Task 24-53-11								-	-	-
3.9.2.13 2453A05 TR: Task 24-53-11								-	-	-
3.9.2.14 2453A06 TR: Task 24-53-15								-	-	-
3.9.2.15 2454A01 TR: Task 24-54-10								-	-	-
3.9.2.16 2454A03 TR: Task 24-54-10								-	-	-
3.9.2.17 2454A04 TR: Task 24-54-10								-	-	-
3.9.2.18 2454A05 TR: Task 24-54-13								-	-	-
3.9.2.19 2454A06/2451B07 TR: Task 24-54-10								-	-	-
3.9.2.20 2455A01 TR: Task 24-55-10								-	-	-
3.9.2.21 2455A04 TR: Task 24-55-10								-	-	-
3.9.2.22 2455A05 TR: Task 24-55-10								-	-	-

## B-1B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.9.2.23 2455A06/2451B06 TR: Task 24-55-15								-	-	-
3.9.3 Fault Isolate PCAs TR: 1B-2-24GS-00-1, -24WD-00-1								-	-	-
3.9.4 Remove and Install TR: 1B-2-24JG-50-1, -2, -3, -4, -5										
3.9.4.1 Drawer type PCAs TR: Task 24-51-11								-	-	-
3.9.4.2 Wheel well type PCAs TR: Task 24-52-13, 24-53-15, 24-54-13, 24-55-15								-	-	-
3.9.4.3 SDMA TR: Task 24-51-11, 24-52-13								-	-	-
3.9.4.4 Relays TR: Task 24-51-11, 24-52-13								-	-	-
3.9.4.5 Bridge rectifiers TR: Task 24-51-11, 24-52-13								-	-	-
3.9.4.6 Current sensing transformer TR: Task 24-51-11, 24-52-13								-	-	-
3.9.4.7 Circuit breakers TR: Task 24-51-11, 24-42-13								-	-	-
3.9.5 PCA repair TR: 1B-24JG-50-1, -2								-	-	-
3.10 ELECTRICAL MULTIPLEXING SYSTEMS (EMUX)										
3.10.1 Theory of Operation TR: 1B-2-92GS-00-1								-	-	-
3.10.2 Perform Ground Readiness Test (GRT) TR: 1B-2-40JG-92-1; Task 40GRT-92-05								-	-	-
3.10.3 Fault isolate TR: 1B-2-40JG-92-1, -92GS-00-1, -92WD-00-1								-	-	-
3.10.4 Remove and Install TR: 1B-2-92JG-10-1, -20-1, -30-1										
3.10.4.1 EMUX controller terminal TR: Task 92-21-10								-	-	-
3.10.4.2 CITS interface terminal TR: Task 92-21-11								-	-	-
3.10.4.3 Digital Remote Terminal (DRT) TR: Task 92-21-12								-	-	-
3.10.4.4 EMUX panel TR: Task 92-31-10								-	-	-
3.10.4.5 Data Link Terminal (DLT) TR: Task 92-11-10/92-12-10								-	-	-
3.11 PHOTOGRAPHIC VIDEO RECORDER										

## B-1B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
3.11.1 Theory of Operation								-	-	-
3.11.2 Perform operational check										
3.11.2.1 Video Recorder TR: Task 34-44-10								-	-	-
3.11.3 Isolate malfunctions								-	-	-
3.11.4 Remove and Install										
3.11.4.1 VR Film Magazine TR: Task 34-44-10-001								-	-	-
3.11.4.2 Load and unload Film Magazine TR: Task 34-44-10-001-4								-	-	-
3.11.5 Remove and install LF/VLF antenna TR: 23-12-13, -14								-	-	-



## B-2 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
<p>Attachment 4 - B-2 Training Requirements NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.</p> <p>NOTE 2: All course requirements are trained in the 3-level resident course during wartime.</p> <p>NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.</p> <p>NOTE 5: Items coded in column 4A will be trained using B-2 aircraft/systems. If B-2 aircraft/systems are unavailable, representative systems from other aircraft may be used.</p> <p>NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.</p>										
4.1 GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable -1 and -2 series technical orders										
4.1.1 Aircraft Familiarization TR: 1B-2A-2-00GV-00-1										
4.1.1.1 Major structure areas								-	-	-
4.1.1.2 Major systems								-	-	-
4.1.1.3 Aircraft egress systems								-	-	-
4.1.1.4 Low Observable Fundamentals								-	-	-
4.1.2 Aircraft Systems Integration										
4.1.2.1 Purpose and Interface TR: 1B-2A-2-40GS-00-1								-	-	-
4.1.2.2 Use Wiring diagrams for fault isolation TR: 1B-2A-00WD-XX, -XXWD-00								-	-	-
4.2 GENERAL MAINTENANCE TASKS										
4.2.1 Technical order familiarization								-	-	-
4.2.2 Flightline safety/precautions/security								-	-	-
4.2.3 Introduction to aircraft/airframe familiarization								-	-	-
4.2.4 Dropped object prevention program (DOPP)								-	-	-
4.2.5 Defensive systems (DS) familiarization (on applicable aircraft)								-	-	-
4.2.6 Statically ground aircraft								-	-	-
4.2.7 Perform aircraft wash								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
4.2.8 Jack aircraft										
4.2.8.1 Jacking Team Member								-	-	-
4.2.9 Perform refuel/defuel team member duties								-	-	-
4.2.10 Remove and install aircraft maintenance access panels								-	-	-
4.2.11 Use aircraft interphone system								-	-	-
4.2.12 Perform aircraft marshalling procedures								-	-	-
4.2.13 Tow aircraft										
4.2.13.1 Perform wing/tail walker duties								-	-	-
4.2.13.2 Brake Operator								-	-	-
4.2.14 Ensure aircraft safe for maintenance TR: 1B-2A-2-05JG-20-1 Task 05-21-01 Task 05-21-01	*							-	-	-
4.2.15 Apply external power TR: 1B-2A-2-05JG-10-2 Task 05-12-01 Task 05-12-01	*							-	-	-
4.2.16 Apply external air conditioning TR: 1B-2A-2-05JG-10-2 Task 05-12-03, Task 05-12-23 Task 05-12-03, Task 05-12-23	*							-	-	-
4.2.17 Perform System Classified Data Erase TR: 1B-2A-2-40JG-00-1 Task 40-00-01-01 Task 40-00-01-01	*							-	-	-
4.2.18 Operate AFT Avionics Bay Doors TR: 1B-2A-2-01JG-60-2 Task 01-61-09 Task 01-61-09								-	-	-
4.2.19 Operate Weapons Bay Doors TR: 1B-2A-2-01JG-60-1 Task 01-61-03 Task 01-61-03								-	-	-
4.2.20 Open/Close Engine AMAD Bay Doors TR: 1B-2A-2-01JG--60-1 Task 01-61-07 Task 01-61-07								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.2.21 Open/Close ECS Bay Doors TR: 1B-2A-2-01JG-60-2 Task 01-61-11 Task 01-61-11								-	-	-
4.2.22 Open/Close Hydraulic Access Doors TR: 1B-2A-2-01JG-60-2 Task 06-61-11 Task 01-61-11								-	-	-
4.2.23 Perform ECS Power-up TR: 1B-2A-2-21JG-00-1 Task 21-00-05 Task 21-00-05	*							-	-	-
4.2.24 Central Aircraft Support System (CASS)										
4.2.24.1 CASS Electrical Power								-	-	-
4.2.24.2 CASS Air								-	-	-
4.2.25 Dock Procedures										
4.2.25.1 Aqueous Film Forming Foam Suppression System operation								-	-	-
4.2.25.2 Fall Arrestor System								-	-	-
4.2.25.3 Remove and Install Relay Panel Assemblies TR: 1B-2A-2-39JG-40-1, -38JG-40-2								-	-	-
4.3 COMMUNICATION SYSTEMS										
4.3.1 Intercommunication System (ICS) (AN/AIC-35)										
4.3.1.1 Theory of Operation TR: 1B-2A-2-23GS-00-1								-	-	-
4.3.1.2 Perform operational check TR: 1B-2A-2-23JG-40-1, -40JG-10-1										
4.3.1.2.1 Crew Intercom TR: Task 23-40-01, 40-10-23-3								-	-	-
4.3.1.2.2 Maintenance Station Intercom Unit TR: Task 23-40-03	*							-	-	-
4.3.1.3 Fault Isolate TR: 1B-2A-2-23GS-00-1, -23WD-00-1		*						-	-	-
4.3.1.4 Remove and Install TR: 1B-2A-2-23JG-40-1										
4.3.1.4.1 Audio Control Panel TR: Task 23-41-103-2, -3								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.3.1.4.2 Audio Central Distribution Unit TR: Task 23-41-101-2, -3	*							-	-	-
4.3.2 HF System (AN/ARC-211)										
4.3.2.1 Theory of Operation TR: 1B-2A-2-23GS-00-1								-	-	-
4.3.2.2 Perform Operational Check TR: 1B-2A-2-23JG-00-1, -40JG-10-1 Task 23-10-01, 1-40-10-23-02	*							-	-	-
4.3.2.3 Fault Isolate TR: 1B-2A-2-23GS-00-1, -23WD-00-1		*						-	-	-
4.3.2.4 Remove and Install TR: 1B-2A-2-23JG-10-1										
4.3.2.4.1 HF Receiver/Transmitter TR: Task 23-11-101-2, -3								-	-	-
4.3.2.4.2 HF Antenna TR: Task 23-11-109-2, -3								-	-	-
4.3.2.4.3 Antenna Coupler TR: Task 23-11-105-2, -30	*							-	-	-
4.3.2.4.4 Advanced Narrow Band Digital Voice Terminal (ANDVT) TR: Task 23-11-107-2, -3		*						-	-	-
4.3.2.4.5 KYV-5 Remote Control Unit TR: Task 23-11-107-2, 03								-	-	-
4.3.3 AN/ARC-215 UHF/VHF System										
4.3.3.1 Theory of Operation TR: 1B-2A-2-23GS-00-1								-	-	-
4.3.3.2 Perform operational check TR: Task 23-20-01, 40-10-23-01, 23-22-107-1								-	-	-
4.3.3.3 Fault Isolate TR: 1B-2A-2-23-GS-00-1, -23WD-00-1		*						-	-	-
4.3.3.4 Remove and Install										
4.3.3.4.1 UHF/VHF Receiver/Transmitter TR: Task 23-21-101-2, 03								-	-	-
4.3.3.4.2 UHF/VHF/X Band Deployable Antenna TR: Task 23-22-109-2, -3		*						-	-	-
4.3.3.4.3 UHF/VHF/X Band Antenna Actuator TR: Task 23-22-107-2, -3		*						-	-	-
4.3.3.4.4 UHF/VHF/X Band Deployable Antenna Mechanism TR: Task 23-22-11-2, -3								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.3.3.4.5 UHF/VHF/X Band Deployable Antenna Proximity Sensor TR: Task 23-22-113-2, -3								-	-	-
4.3.3.4.6 Adjustment UHF/VHF/X Band Deployable Antenna TR: Task 23-21-103-2, -3; 23-21-105-2, -3								-	-	-
4.3.3.4.7 UHF Upper/Lower Antenna TR: Task 23-21-103-2, -3; 23-21-105-2, -3								-	-	-
4.3.4 KY-58 Computer										
4.3.4.1 KY-58 Batteries	*							-	-	-
4.3.5 Airborne Integrated Terminal Group (ARC-234)										
4.3.5.1 Theory of Operation TR: 1B-2A-2-23GS								-	-	-
4.3.5.2 Perform operational check TR: 1B-2A-2-23JG-20-1								-	-	-
4.3.5.3 Fault Isolate TR: 1B-2A--2-23GS, -23WD-00-1								-	-	-
4.3.6 Airborne Integrated Terminal TR: Task 23-20-03										
4.3.6.1 RFSU TR: Task 23-21-113								-	-	-
4.3.6.2 LNAD TR: Task 23-23-105								-	-	-
4.3.6.3 RFSU OFP reload TR: Task 23-20-09								-	-	-
4.3.6.4 Crypto Load TR: Task 23-20-07								-	-	-
4.3.7 SATCOM System (AN/ASC-36)										
4.3.7.1 Theory of Operation TR: 1B-2A-2-23GS-00-1								-	-	-
4.3.7.2 Perform operational checks TR: 1B-2A-2-23JG-20-1, -40JG-10-1 Tasks 23-20-01, -40-10-23-04	*							-	-	-
4.3.7.3 Fault isolate TR: 1B-2A-2-23GS-00-1, -23WD-00-1		*						-	-	-
4.3.7.4 Remove and install TR: 1B-2A-23JG-20-1										
4.3.7.4.1 UHF SATCOM Receiver/Transmitter/Modem TR: Task 23-21-101-2, -3	*							-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.3.7.4.2 Preamplifier/Switch TR: Task 23-23-105-2, -3								-	-	-
4.3.7.4.3 RF Load TR: Task 23-23-107-2, -3								-	-	-
4.3.7.4.4 Antenna TR: Task 23-23-105-2, -3								-	-	-
4.3.8 Link-16 Data Link System										
4.3.8.1 Theory of operation								-	-	-
4.3.8.2 Perform operational Check								-	-	-
4.3.8.3 Fault isolate								-	-	-
4.3.8.4 Remove and Install								-	-	-
4.3.8.4.1 MIDS-LVT terminal								-	-	-
4.3.8.4.2 MIDS-LVT power supply								-	-	-
4.3.8.4.3 Central instrument display (CID)								-	-	-
4.3.8.4.4 CID processor								-	-	-
4.3.8.4.5 MIDS batteries								-	-	-
4.3.8.4.6 Antenna switching unit								-	-	-
4.3.8.4.7 Antenna upper								-	-	-
4.4 NAVIGATIONAL SYSTEMS										
4.4.1 Identification, Friend or Foe (IFF) (AN/APX-110)										
4.4.1.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.1.2 Key KIV-2 Secure Computer TR: 1B-2A-2-34JG-50-1 Task 34-51-01; 40-10-34-01	*							-	-	-
4.4.1.3 Perform operational check TR: 1B-2A-2-34JG-50-1, -40JG-10-1 Tasks 34-51-01; 40-10-34-01	*							-	-	-
4.4.1.4 Fault isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.1.5 Remove and install TR:										
4.4.1.5.1 Transponder TR: Task 34-51-101-2, -3	*							-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.4.1.5.2 KIV-2 Secure Computer TR: Task 34-51-101-2, -3	*							-	-	-
4.4.1.5.3 Upper antenna TR: Task 34-51-103-2, -3								-	-	-
4.4.1.5.4 Lower Antenna TR: Task 34-51-104-2, -3								-	-	-
4.4.2 X Band Beacon										
4.4.2.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.2.2 Perform operational check TR: 1B-2A-2-34JG-40-1, -40JG-10-X Tasks 34-54-01, -40-10-34-03	*							-	-	-
4.4.2.3 Remove and Install Transponder TR: 1B-2A-2-34JG-50-1 Task 34-54-10-2, -3								-	-	-
4.4.2.4 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.3 KU-Band Transponder										
4.4.3.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.3.2 Perform operational check TR: 1B-2A-2-34JG-50-1, -40JG-10-1 Task 34-50-01; 40-10-34-04	*							-	-	-
4.4.3.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.3.4 Remove and Install TR: 1B-2A-2-34JG-50-1										-
4.4.3.4.1 Upper Transponder #1 TR: Task 34-53-101-2, -3								-	-	-
4.4.3.4.2 Lower Transponder #2 TR: Task 34-53-101-2, -3								-	-	-
4.4.3.4.3 Upper Antenna #1 TR: Task 34-53-10-2, -3								-	-	-
4.4.3.4.4 Navigation Power Supply TR: Task 34-41-107								-	-	-
4.4.3.4.5 Airborne Time Transfer Unit (ATTU) TR: Task 34-41-105	*							-	-	-
4.4.4 Instrument Landing System (ILS)										
4.4.4.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.4.2 Perform operational check TR: 1B-2A-2-34JG-30-1	*							-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.4.4.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.4.4 Remove and Install TR: 1B-2A-2-34JG-30-1										
4.4.4.4.1 Receiver TR: Task 34-31-101-2, -3	*							-	-	-
4.4.4.4.2 Localizer/Glide slope antenna TR: Task 34-31-103-2, -3								-	-	-
4.4.4.4.3 Marker/Beacon antenna TR: Task 34-31-105-2, -3								-	-	-
4.4.4.4.4 Antenna splitters TR: Task 34-31-107-2, -3								-	-	-
4.4.5 Tactical Air Navigation (TACAN) (AN/ARN-500)										
4.4.5.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.5.2 Perform operational check TR: 1B-2A-2-34JG-50-1, -40JG	*							-	-	-
4.4.5.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD		*						-	-	-
4.4.5.4 Remove and Install TR: 1B-2A-2-34JG-50-1										
4.4.5.4.1 Receiver/Transmitter TR: Task 34-51-101-2, -3	*							-	-	-
4.4.5.4.2 Antenna TR: Task 34-52-103-2, -3								-	-	-
4.4.6 Inertial Navigation System (INS)										
4.4.6.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.6.2 Perform operational check TR: 1B-2A-2-34JG-10-1										
4.4.6.2.1 Inertial Ground Alignment TR: Task 34-42-01-1	*							-	-	-
4.4.6.2.2 Coupled Ground Check TR: Task 34-41-01-2								-	-	-
4.4.6.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.6.4 Remove and Install TR: 1B-2A-2-34JG-40-1										
4.4.6.4.1 Inertial Measurement Unit (IMU) TR: Task 34-42-101	*							-	-	-
4.4.6.4.2 Inertial Navigation Processor TR: Task 34-42-101								-	-	-
4.4.6.5 Processor Reload/CDE TR: 1B-2A-2-40JG-00-1										

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.4.6.5.1 Inertial Processor Selective Reload TR: Task 40-00-02-09								-	-	-
4.4.6.5.2 Inertial processor CDE TR: Task 40-00-01-08								-	-	-
4.4.7 Astro-Inertial Navigation System (AINS) TR:										
4.4.7.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.7.2 Perform operational check TR: 1B-2A-2-34JG-40-1										
4.4.7.2.1 AINS Ground Alignment TR: Task 34-41-01-1	*							-	-	-
4.4.7.2.2 AINS Stellar Check TR: Task 34-41-01-1								-	-	-
4.4.7.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1		*						-	-	-
4.4.7.4 Remove and Install TR: 1B-2A-2-34JG-40-1										
4.4.7.4.1 Astro-Inertial Instrument (AI) TR: Task 34-41-101		*						-	-	-
4.4.7.4.2 Electronics Control Unit (ECU) TR: Task 34-41-109								-	-	-
4.4.7.4.3 Navigation Processor TR: Task 34-41-103								-	-	-
4.4.7.4.4 Navigation Power Supply TR: Task 34-41-107								-	-	-
4.4.7.4.5 Airborne Time Transfer Unit (ATTU) TR: Task 34-41-105	*							-	-	-
4.4.7.5 Processor Reload/CDE TR: 1B-2A-2-40JG-00-1										
4.4.7.5.1 AINS Processor Reload TR: Task 40-00-02-08	*							-	-	-
4.4.7.5.2 AINS CDE TR: Task 40-00-01-07								-	-	-
4.4.7.5.3 Clean and Inspect AINS Window TR: 1B-2A-2-12JG-40-1 Task 12-41-05								-	-	-
4.4.8 Global Positioning System (GPS)										
4.4.8.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.4.8.2 Perform GPS operational check TR: 1B-2A-2-34JG-60-1 Task 34-61-01								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.4.8.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1								-	-	-
4.4.8.4 Remove and Install TR: 1B-2A-2-34JG-60-1										
4.4.8.4.1 GPS Receiver TR: Task 34-61-101								-	-	-
4.4.8.4.1.1 GPS Receiver Battery TR: Task 34-61-101-001								-	-	-
4.4.8.4.2 GPS Antenna TR: Task 34-61-103								-	-	-
4.4.8.4.3 GPS Fill Panel TR: Task 34-61-105								-	-	-
4.5 RADAR SYSTEMS										-
4.5.1 Radar Systems General										
4.5.1.1 Theory of Operation TR: 1B-2A-2-99GS-00-1								-	-	-
4.5.1.2 Perform operational check TR: 1B-2A-2-40JG-10-1, -99WD-00-1										
4.5.1.2.1 Radar Selective GRT TR: Task 40-10-99-01	*							-	-	-
4.5.1.2.2 Radar Ground Radiate Test TR: Task 99-70-04	*							-	-	-
4.5.1.3 Fault Isolate TR: 1B-2A-2-99-GS-00-1, -99WD-00-1		*						-	-	-
4.5.1.4 Remove and Install TR: 1B-2A-2-99JG-70-1										
4.5.1.4.1 Radar Data Processor (RDP) TR: Tasks 99-71-111, 99-72-111								-	-	-
4.5.1.4.2 Radar Signal Processor (RSP) TR: Task 99-71-113, 99-72-113								-	-	-
4.5.1.4.3 Radar Transmitter (R/T) TR: Task 99-71-107, 99-72-107								-	-	-
4.5.1.4.4 Receiver/Exciter (R/E) TR: Tasks 99-71-109, 99-72-109	*							-	-	-
4.5.1.4.5 Antenna TR: Task 99-73-101-2, -3		*						-	-	-
4.5.1.4.6 Motion Sensor Set (MSS) TR: Task 99-74-101								-	-	-
4.5.1.4.7 Antenna Line Replaceable Modules (LRM) TR: 1B-2A-2-99JG-70-1										

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.5.1.4.7.1 Build-In-Test (BIT) Module (A25) TR: Task 99-73-101-003								-	-	-
4.5.1.4.7.2 Beam Steering Controller (BSC) Power Converter Module (A28) TR: Task 99-73-101-005								-	-	-
4.5.1.4.7.3 Antenna Solenoid Driver Power Supply Module (A29) TR: Task 99-73-101-005								-	-	-
4.5.1.4.7.4 Antenna Rotary Driver Module (A1) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.5 Antenna Electro-Magnetic (EM) Driver Module (A3) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.6 Antenna Electro-Magnetic (EM) Timing and Control Module (A23) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.7 Phase Generator Module (A24) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.8 Linear Regulator Module (A22) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.9 Microprocessor/1553 Module (A22) TR: Task 99-73-101-001								-	-	-
4.5.1.4.7.10 Wave Guide Sections TR: 1B-2A-2-99GS-00-1, Chapter 2								-	-	-
4.5.1.4.7.11 Wave Guide Switch TR: Task 99-73-103								-	-	-
4.5.1.4.7.12 10 Micron Wave-Guide Desiccator/Filter TR: 1B-2A-2-99JG-70		*						-	-	-
4.5.1.5 Inspect and Service Wave Guide										
4.5.1.5.1 Desiccant TR: Task 99-70-03	*							-	-	-
4.5.1.5.2 Wave-Guide Leak Check TR: Task 99-70-03	*							-	-	-
4.5.1.6 Perform Radar Calibration TR: 1B-2A-2-99JG-70-1 Task 99-70-02	*							-	-	-
4.5.1.7 Perform Radar Data Processor OFP Reload TR: 1B-2A-2-99JG-70-1 Task 90-70-06		*						-	-	-

## B-2 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.5.2 Radar Altimeter (RALT)										
4.5.2.1 Theory of Operation TR: 1B-2A-2-34GS-00-1								-	-	-
4.5.2.2 Perform operational check TR: 1B-2A-2-34GS-00-1										
4.5.2.2.1 Radar Altimeter operational check TR: Task 34-10-01								-	-	-
4.5.2.2.2 Radar Altimeter GRT TR: Task 40-10-34-05								-	-	-
4.5.2.3 Fault Isolate TR: 1B-2A-2-34GS-00-1, -34WD-00-1								-	-	-
4.5.2.4 Remove and Install TR: 1B-2A-2-34JG-10-1										
4.5.2.4.1 Receiver/Transmitter (RT) TR: Task 34-11-101, 34-12-101								-	-	-
4.5.2.4.2 Antenna TR: Task 34-11-105, 34-12-105								-	-	-
4.5.2.4.3 RF Coupler TR: Task 34-11-103, 34-12-103								-	-	-
4.6 MISSION SYSTEMS										
4.6.1 OBTS Ground Processor (OGP II)										
4.6.1.1 Login/Logout OGP II TR: Software Users Manual								-	-	-
4.6.1.2 Produce/Recreate Debrief Reports TR: 31S5-4-2340-1								-	-	-
4.6.1.3 Run Predefined Text and Graphics Reports TR: 31S5-4-2340-1								-	-	-
4.6.1.4 Produce Ad-Hoc Reports TR: 34S5-4-2340-1								-	-	-
4.6.2 Onboard Test System (OBTS)										
4.6.2.1 Theory of Operation TR: 1B-2A-2-31GS-00-1, -40GS-00-1								-	-	-
4.6.2.2 Use OBTS Data and OBTS Digital Computer System (ODCS) Reports for fault isolation of aircraft systems malfunctions TR: 1B-2A-2-40GS-00-1, Applicable systems -GS-00-1								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.6.2.3 Interface with Comm/Nav systems TR: 1B-2A-2-23-GS-00-1, -34GS-00-1								-	-	-
4.6.3 Multiplex Bus System										
4.6.3.1 Theory of Operation TR: 1B-2A-2-40GS-00-1, and applicable system -GS-00-1								-	-	-
4.6.3.2 Fault Isolate TR: 1B-2A-2-40GS-00-1, -40WD-00-1, and applicable system -GS-00-1, -WD-00-1								-	-	-
4.6.4 Mission Management System										
4.6.4.1 Theory of Operation TR: 1B-2A-2-94GS-00-1								-	-	-
4.6.4.2 Perform operational check TR: 1B-2A-2-94JG-10-1, -94JG-30-1								-	-	-
4.6.4.2.1 Stores Management Processor TR: Task 94-11-103-1	*							-	-	-
4.6.4.2.2 Power Drive Unit Controller (PDUC) TR: Task 94-32-107								-	-	-
4.6.4.3 Fault Isolate TR: 1B-2A-2-94GS-00-1, -94WD-0-1		*						-	-	-
4.6.4.4 Remove and Install TR: 1B-2A-2-94JG-10-1, -30-1, -90-1										
4.6.4.4.1 Stores Management Processor (SMP) TR: Task 94-11-103								-	-	-
4.6.4.4.2 Power Drive Unit Controller (PDUC) TR: Task 94-32-107								-	-	-
4.6.4.4.3 Power Drive Controller (PDC) TR: Task 94-91-101								-	-	-
4.6.4.5 Processor Reload/CDE) TR: 1B-2A-2-40JG-00-1										
4.6.4.5.1 SMP Selective Reload TR: Task 40-00-001-12	*							-	-	-
4.6.4.5.2 SMP CDE TR: Task 40-00-01-11	*							-	-	-
4.6.5 Flight Management System										
4.6.5.1 Theory of Operation TR: 1B-2A-2-22GS-00-1								-	-	-

## B-2 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.6.5.2 Perform operational check TR: 1B-2A-2-22JG-20-1, -40JG-10-1										
4.6.5.2.1 Flight Management Control Processor (FMCP) TR: Task 22-23-101	*							-	-	-
4.6.5.2.2 Air Vehicle Interface Processor (AVIP) TR: Task 23-23-101	*							-	-	-
4.6.5.3 Fault Isolate TR: 1B-2A-2-22GS-00-1, -22WD-00-1, -40GS-00-1, -40WD-00-1		*						-	-	-
4.6.5.4 Remove and Install TR: 1B-2A-2-22JG-20-1										
4.6.5.4.1 Flight Management Control Processor (FMCP) TR: Task 22-25-101, 22-26-101	*							-	-	-
4.6.5.4.2 Air Vehicle Interface Processor TR: Task 22-25-101, 22-26-101								-	-	-
4.6.5.5 Processor Selective Reload/CDE TR: 1B-2A-2-40JG-00-1										
4.6.5.5.1 Flight Management Control Processor (FMCP) Classified Data Erase TR: Task 40-00-01-03	*							-	-	-
4.6.5.5.2 Flight Management Control Processor (FMCP) Selective Reload TR: Task 40-00-01-03	*							-	-	-
4.6.5.5.3 Air Vehicle Interface Processor (AVIP) Selective Reload TR: Task 40-00-02-04	*							-	-	-
4.6.5.5.4 Air Vehicle Interface Processor (AVIP) Classified Data Erase TR: Task 40-00-01-04								-	-	-
4.6.5.5.5 System operational Flight Program Version Change TR: Task 40-00-01-01	*							-	-	-
4.6.6 Terrain Following/Terrain Avoidance (TF/TA)										
4.6.6.1 Remove and install TRF/TA Processor TR: 1B-2A-2-22JG-20-1 Tasks 22-27-101, 22-28-101								-	-	-
4.6.6.2 Processor Selective Reload TR: 1B-2A-2-40JG-00-1										
4.6.6.2.1 TF/TA Processor Selective Reload TR: Task 40-00-02-05								-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.6.6.2.2 TF/TA Processor CDE TR: Task 40-00-01-05								-	-	-
4.6.7 Power Distribution System										
4.6.7.1 Theory of Operation TR: 1B-2A-2-24GS-00-1								-	-	-
4.6.7.2 Fault Isolate TR: 1B-2A-2-24GS-00-1, -24WD-00-1		*						-	-	-
4.6.7.3 Operational Checks TR: 1B-2A-2-24JG-50-1, -40JG-10-1										
4.6.7.3.1 Processor Control Panel (PCP) TR: Task 24-59-101	*							-	-	-
4.6.7.3.2 Power Control Unit (PCU) TR: Task 40-10-24-01	*							-	-	-
4.6.7.4 Remove and Install TR: 1B-2A-2-24JG-50-1										
4.6.7.4.1 PCP TR: Task 24-59-101	*							-	-	-
4.6.7.4.2 PCU TR: Tasks 24-55-101, 24-56-101, 24-57-101, 24-58-101	*							-	-	-
4.7 CONTROLS AND DISPLAYS										
4.7.1 Theory of Operation TR: 1B-2A-3-31GS-00-1								-	-	-
4.7.2 Perform operational check TR: 1B-2A-2-31JG-10-1, -31JG-30-1, -40JG-10-1										
4.7.2.1 Multipurpose Display Unit (MDU) TR: Task 31-10-01	*							-	-	-
4.7.2.2 Cursor Control Panel (CCP) TR: Task 31-10-01	*							-	-	-
4.7.2.3 Flight Data Control Panel (FDCP) TR: Task 31-10-01	*							-	-	-
4.7.2.4 Display Processing Unit (DPU) TR: Task 40-10-31-01	*							-	-	-
4.7.2.5 Data Entry Panel (DEP) TR: Task 40-10-31-02	*							-	-	-
4.7.2.6 Disk Drive Unit (DDU) TR: Task 40-10-31-05	*							-	-	-
4.7.2.7 Disk Drive Unit Cartridge (DDUC) TR: Task 31-18-105-1	*							-	-	-
4.7.3 Fault Isolate TR: 1B-2A-2-31GS-00-1, -31WD-00-1		*						-	-	-

## B-2 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.7.4 Remove and Install TR: 1B-2A-2-31JG-10-1, -31JG-30-1, -31JG-40-1										
4.7.4.1 MDU TR: Task 31-1-101	*							-	-	-
4.7.4.2 DEP TR: Tasks 31-11-101, 31-12-101	*							-	-	-
4.7.4.3 FDCCP TR: Task 31-17-105	*							-	-	-
4.7.4.4 CCP TR: Task 31-17-101	*							-	-	-
4.7.4.5 DPU TR: Tasks 31-41-101, 31-42-101, 31-43-101, 31-44-101	*							-	-	-
4.7.4.6 DDU TR: Tasks 31-18-101, 31-19-101	*							-	-	-
4.7.4.7 DDUC TR: Tasks 31-18-1-5, 31-19-105	*							-	-	-
4.7.5 Video Tape Recorder (VTR) System										
4.7.5.1 Theory of Operation TR: 1B-2A-2-31GS-00-1								-	-	-
4.7.5.2 Perform (VTR) operational check TR: 1B-2A-2-31JG-30-1 Task 31-36-101								-	-	-
4.7.5.3 Fault Isolate TR: 1B-2A-2-31GS-00-1, -31WD-00-1								-	-	-
4.7.5.4 Remove and Install TR: 1B-2A-2-31JG-30-1										
4.7.5.4.1 Video Tape Recorder TR: Task 31-36-101								-	-	-
4.7.5.4.2 Video Electronic Switch TR: Task 31-36-103								-	-	-
4.7.5.4.3 Clean Video Tape Recorder								-	-	-
4.8 MISCELLANEOUS										
4.8.1 Remove and Install TR: Applicable system GS -00-1, Chapter 2										
4.8.1.1 Bus Connectors								-	-	-
4.8.1.2 Bus Terminators								-	-	-
4.8.1.3 Bus Couplers								-	-	-
4.8.2 Situational Awareness Communication Upgrade/Beyond Line of Sight (SACU/BLOS)										

## B-2 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
4.8.2.1 Operational check TR: LWC-509MXG-MXQP-031								-	-	-
4.8.2.2 Remove and Install										
4.8.2.2.1 SACU/BLOS rack TR: LWC-509MXG-MXQP-031								-	-	-
4.8.2.2.2 Keel-beam rack TR: LWC-509MXG-MXQP-031								-	-	-
4.8.2.2.3 Shorter lightweight universal Diplexer (SLUD) TR: 1B-1-8								-	-	-
4.8.2.2.4 PRC-117 UHF radio TR: 1B-1-8								-	-	-
4.8.2.2.5 Thermal printer TR: 1B-1-8								-	-	-
4.8.2.2.6 G-12 GPS Unit TR: 1B-1-8								-	-	-
4.9 OPERATE TEST EQUIPMENT/ SPECIAL PURPOSE EQUIPMENT										
4.9.1 Power Meter TR: 33A1-7-205-1								-	-	-
4.9.2 Base Time Standard TR: 9010-687 User Manual	*							-	-	-
4.9.3 Memory Loader Verifier (MLV) TR: 33D7-159-1		*						-	-	-
4.9.4 CYZ-10 TR: DTD User Manual	*							-	-	-
4.9.5 AN/GSM -352 Antenna System Test Set								-	-	-



## B-52 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

Attachment 5 - B-52 Training Requirements NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using B-52 aircraft/systems. If B-52 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

5.1 GENERAL ORGANIZATIONAL MAINTENANCE										
5.1.1 Aircraft Familiarization								-	-	-
5.1.2 Major Structural Areas								-	-	-
5.1.3 Major Systems								-	-	-
5.1.4 Aircraft Egress Procedures								-	-	-
5.1.5 Technical order familiarization								-	-	-
5.2 GENERAL MAINTENANCE TASKS										
5.2.1 Ensure aircraft safe for maintenance	*							-	-	-
5.2.2 Apply external air conditioning	*							-	-	-
5.2.3 Flightline safety/precautions/security								-	-	-
5.2.4 Introduction to aircraft/airframe familiarization								-	-	-
5.2.5 Inspect/operate portable external electrical power unit								-	-	-
5.2.6 Inspect/use ground maintenance stands								-	-	-
5.2.7 Dropped object prevention program (DOPP)								-	-	-
5.2.8 Statically ground aircraft								-	-	-
5.2.9 Apply/disconnect external electrical power unit	*							-	-	-
5.2.10 Perform aircraft wash								-	-	-
5.2.11 Jack Aircraft										
5.2.11.1 Jacking team member								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.2.12 Perform refuel/defuel team member duties								-	-	-
5.2.13 Open and close engine cowling								-	-	-
5.2.14 Remove and Install aircraft maintenance access panels								-	-	-
5.2.15 Perform aircraft marshaling procedures								-	-	-
5.2.16 Tow aircraft										
5.2.16.1 Perform wing/tail walker duties								-	-	-
5.2.16.2 Brake Operator								-	-	-
5.3 COMMUNICATIONS SYSTEMS										
5.3.1 Interphone AIC-18 TR: 1B-52H-2-24GA -1										
5.3.1.1 Theory of Operation TR: 1B-52H-2-24GA -1								-	-	-
5.3.1.2 Perform operational check TR: 1B-52H-2-24JG-1										
5.3.1.2.1 Power off Check TR: Task 2-6-1								-	-	-
5.3.1.2.2 Pilot Student TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-3, 2-7-14								-	-	-
5.3.1.2.3 Copilot Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-3, 2-7-14								-	-	-
5.3.1.2.4 Instructor Pilot Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-4, 2-7-14								-	-	-
5.3.1.2.5 Navigator Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-5, 2-7-14								-	-	-
5.3.1.2.6 Radar Navigator Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-6, 2-7-14								-	-	-
5.3.1.2.7 Instructor Navigator Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-7, 2-7-14								-	-	-
5.3.1.2.8 EW Officer Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-8, 2-7-14								-	-	-
5.3.1.2.9 Defensive Instructor Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-9, 2-7-14								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.3.1.2.10 Gunner Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-10, 2-7-14								-	-	-
5.3.1.2.11 Bunk Station TR: Tasks 2-7, 2-7-1, 2-7-2, 2-7-11, 2-7-14								-	-	-
5.3.1.2.12 Main External Power Receptacle Station TR: Tasks 2-7, 2-7-1, 2-7-12, 2-7-14								-	-	-
5.3.1.2.13 Forward Wheel Well Station TR: Tasks 2-7, 2-7-1, 2-7-13, 2-7-14								-	-	-
5.3.1.3 Fault Isolation TR: 1B-52H-2-24GA -1								-	-	-
5.3.1.4 Remove and Install TR: 1B-52H-2-24JG-1										
5.3.1.4.1 Control Panel, C-2106 TR: Tasks 2-10 thru 2-11-1								-	-	-
5.3.1.4.2 Control Panel, C-2105 TR: Tasks 2-14 thru 2-15-1								-	-	-
5.3.1.4.3 Control Panel, C-2323 TR: Tasks 2-12 thru 2-13-1								-	-	-
5.3.1.4.4 Microphone Foot Switch TR: Tasks 2-18 thru 2-19-1								-	-	-
5.3.1.4.5 Control Wheel Interphone Switch TR: Tasks 2-16 thru 2-17-1								-	-	-
5.3.2 HF Radio AN/ARC-190										
5.3.2.1 Theory of Operation TR: 1B-52H-2-24GA -1								-	-	-
5.3.2.2 Perform operational check TR: 1B-52H-2-24JG-6										
5.3.2.2.1 Power-off check TR: Tasks 9-5, 9-5-1								-	-	-
5.3.2.2.2 Operational check TR: Tasks 9-7, 9-7-1		*						-	-	-
5.3.2.3 Fault isolation TR: 1B-52H-2-24GA -1								-	-	-
5.3.2.4 Remove and Install TR: 1B-52H-2-24JG-6										
5.3.2.4.1 Control Unit TR: Tasks 9-10 thru 9-11-1								-	-	-
5.3.2.4.2 Receiver Transmitter 1341 TR: Tasks 9-12 thru 9-13-1								-	-	-
5.3.2.4.3 Antenna Coupler TR: Tasks 9-16 thru 9-17-1								-	-	-
5.3.2.4.4 R/T Mount TR: Tasks 9-14 thru 9-15-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.3.2.4.5 Lightning Arrestor TR: Tasks 9-18 thru 9-19-1								-	-	-
5.3.3 VHF AM/FM Radio AN/ARC-210 TR: 1B-52H-2-24GA -1										
5.3.3.1 Theory of Operation TR: 1B-52H-2-24GA -1								-	-	-
5.3.3.2 Perform operational check TR: 1B-52H-2-24JG-3										
5.3.3.2.1 Power-off check TR: Tasks 4-5, 4-5-1								-	-	-
5.3.3.2.2 LOS Fast Check TR: Tasks 4-8, 4-8-2	*							-	-	-
5.3.3.2.3 Non-DAMA Voice SATCOM check TR: Tasks 4-8, 4-8-3	*							-	-	-
5.3.3.2.4 DAMA Voice SATCOM check TR: Tasks 4-8, 4-8-1, 4-8-4 thru 4-8-9								-	-	-
5.3.3.3 Fault Isolate TR: 1B-52H-2-24MS-3								-	-	-
5.3.3.4 Remove and Install TR: 1B-52H-2-24JG-3										
5.3.3.4.1 Radio Control Unit TR: Tasks 4-14 thru 4-15-1								-	-	-
5.3.3.4.2 ARC-210 Switch Panel TR: Tasks 4-16 thru 4-17-1								-	-	-
5.3.3.4.3 Receiver/Transmitter 1556 TR: Tasks 4-18 thru 4-19-1								-	-	-
5.3.3.4.4 Logic Converter TR: Tasks 4-20 thru 4-20-1								-	-	-
5.3.3.4.5 Coax Switch, Low Power TR: Tasks 4-22 thru 4-23-1								-	-	-
5.3.3.4.6 SATCOM Antenna TR: Tasks 4-32 thru 4-33-1								-	-	-
5.3.3.4.7 Diplexer TR: Tasks 4-28 thru 4-29-1								-	-	-
5.3.3.4.8 High Power Amplifier TR: Tasks 4-26 thru 4-27-1								-	-	-
5.3.3.4.9 LOS Tunable Antenna TR: Tasks 4-30 thru 4-30-1								-	-	-
5.3.3.4.10 Coax Switch, High Power TR: Tasks 4-24 thru 4-25								-	-	-
5.3.3.4.11 DAMA Modem TR: Tasks 4-34 thru 4-35-1								-	-	-
5.3.3.4.12 DAMA Modem RCU TR: Tasks 4-36 thru 4-37-1								-	-	-
5.3.3.4.13 DAMA Modem Mount TR: Tasks 4-38 thru 4-39-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.3.3.4.14 DAMA Modem Battery TR: Tasks 4-40 thru 4-41-1								-	-	-
5.3.4 UHF Command Radio AN/ARC-- 164										
5.3.4.1 Theory of Operation TR: 1B-52H-2-24GA -1								-	-	-
5.3.4.2 Perform operational checks TR: 1B-52H-2-24JG-4										
5.3.4.2.1 Power-off check TR: Tasks 7-5 thru 7-5-1								-	-	-
5.3.4.2.2 Fast Check TR: Tasks 7-7 thru 7-7-1	*							-	-	-
5.3.4.3 Fault Isolate TR: 1B-52H-2-24GA -1		*						-	-	-
5.3.4.4 Remove and install TR: 1B-52H-2-24JG-4										
5.3.4.4.1 Receiver/Transmitter 1504 TR: Tasks 7-12 thru 7-13-1								-	-	-
5.3.4.4.2 Radio Set Control Unit TR: Tasks 7-10 thru 7-11-1								-	-	-
5.3.4.4.3 Antenna TR: Tasks 7-14 thru 7-15-1								-	-	-
5.3.4.4.4 Low Pass Filter TR: Tasks 7-16 thru 7-17-1-1								-	-	-
5.3.5 UHF/SATCOM Radio AN/ASC-19 TR: 1B-52H-2-24GA -1										
5.3.5.1 Theory of Operation TR: 1B-52H-2-24JG-5								-	-	-
5.3.5.2 Perform operational check TR: 1B-52H-2-24JG-5										
5.3.5.2.1 Power-off check TR: Tasks 8-7 thru 8-7-1								-	-	-
5.3.5.2.2 UHF LOS operational check TR: Tasks 8-9 thru 8-9-1	*							-	-	-
5.3.5.2.3 Satellite Mode operational check TR: Tasks 8-10 thru 8-10-1								-	-	-
5.3.5.3 Fault isolate TR: 1B-52H-2-24GA -1								-	-	-
5.3.5.4 Remove and install TR: 1B-52H-2-24JG-5										
5.3.5.4.1 Control Unit TR: Tasks 8-14 thru 8-15-1								-	-	-
5.3.5.4.2 Receiver/Transmitter TR: Tasks 8-23 thru 8-24-1								-	-	-
5.3.5.4.3 LOS Antenna TR: Tasks 8-43 thru 8-44-1								-	-	-
5.3.5.4.4 Low Pass Filter TR: Tasks 8-49 thru 8-50-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.3.5.4.5 Teleprinter TR: Tasks 8-20 thru 8-21-1								-	-	-
5.3.5.4.6 Modem TR: Tasks 8-29 thru 8-30-1								-	-	-
5.3.5.4.7 Power Supply TR: Tasks 8-25 thru 8-26-1								-	-	-
5.3.5.4.8 Control Indicator TR: Tasks 8-16 thru 8-17-1								-	-	-
5.3.5.4.9 Subsonic Antenna TR: Tasks 8-45 thru 8-46-1								-	-	-
5.3.5.4.10 Transfer Relay TR: Tasks 8-37 thru 8-38-1								-	-	-
5.3.5.4.11 By-pass Relay TR: Tasks 8-35 thru 8-36-1								-	-	-
5.3.5.4.12 Preamp TR: Tasks 8-33 thru 8-34-1								-	-	-
5.3.5.4.13 Test Load TR: Tasks 8-41 thru 8-42-1								-	-	-
5.3.5.4.14 Keyboard TR: Tasks 8-18 thru 8-19-1								-	-	-
5.3.6 Secure Voice KY-100 TR: 1B-52H-2-24GA -1										
5.3.6.1 Theory of Operation TR: 1B-52H-2-24GA -1								-	-	-
5.3.6.2 Perform operational check TR: 1B-52H-2-24JG-4										
5.3.6.2.1 Power-off check TR: Tasks 6-6, 6-6-1								-	-	-
5.3.6.2.2 Operational check TR: Tasks 6-7 thru 6-7-1	*							-	-	-
5.3.6.3 Fault Isolate TR: 1B-52H-2-24GA -1								-	-	-
5.3.6.4 Remove and Install TR: 1B-52H-2-24JG-4										
5.3.6.4.1 KY-100 MTU TR: Tasks 6-15 thru 6-16-1								-	-	-
5.3.6.4.2 COMSEC Mode Control TR: Tasks 6-19 thru 6-20-1								-	-	-
5.3.6.4.3 Remote Control, Z-AVH TR: Tasks 6-17 thru 6-18-1								-	-	-
5.3.6.4.4 KY-RAD switching unit TR: Tasks 6-21 thru 6-22-1								-	-	-
5.3.6.4.5 KY-100 MTU Battery TR: Tasks 6-23 thru 6-24-1								-	-	-
5.3.7 Miniature Receiver Terminal, AN/ARR-85 TR: 1B-42H-2-24GA -1										
5.3.7.1 Theory of Operation								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.3.7.2 Perform operational check TR: 1B-52H-2-24JG-3 Tasks 3-6 thru 3-6-2								-	-	-
5.3.7.3 Fault Isolate TR: 1B-52H-2-24GA -1								-	-	-
5.3.7.4 Remove and Install TR: 1B-52H-2-24JG-3										
5.3.7.4.1 Radio Receiver TR: Tasks 3-15 thru 3-16-1								-	-	-
5.3.7.4.2 Transfer Module TR: Tasks 3-9 thru 3-10-1								-	-	-
5.3.7.4.3 Control Indicator TR: Tasks 3-11 thru 3-12-1								-	-	-
5.3.7.4.4 ADP Printer TR: Tasks 3-13 thru 3-14-1								-	-	-
5.3.7.4.5 TE Antenna TR: Tasks 3-17 thru 3-18-1								-	-	-
5.3.7.4.6 TM Antenna TR: Tasks 3-10 thru 3-10-1								-	-	-
5.3.7.4.7 Rectifier								-	-	-
5.4 NAVIGATION SYSTEMS										
5.4.1 IFF Transponder AN/APX-64 TR: 1B-52H-2-25GA -1										
5.4.1.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-
5.4.1.2 Perform operational check TR: Tasks 7-5 thru 7-8-7	*							-	-	-
5.4.1.3 Fault Isolate TR: 1B-52H-2-25GA -1		*						-	-	-
5.4.1.4 Remove and Install TR: 1B-52H-2-25JG-3										
5.4.1.4.1 Control Panel TR: Tasks 7-23 thru 7-24-1								-	-	-
5.4.1.4.2 Antenna Switching Unit TR: Tasks 7-14 thru 7-15-1								-	-	-
5.4.1.4.3 Upper Antenna TR: Tasks 7-19, 7-19-2, 7-20, 7-20-2								-	-	-
5.4.1.4.4 Lower Antenna TR: Tasks 7-19, 7-19-1, 7-20, 7-20-1								-	-	-
5.4.1.4.5 Transponder Test Set TR: Tasks 7-21 thru 7-22-1								-	-	-
5.4.1.4.6 Receiver Transmitter TR: Tasks 7-12 thru 7-13-1-1								-	-	-
5.4.1.4.7 Mode IV Computer TR: Tasks 7-16 thru 7-17-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.4.2 VHF Omni Range (VOR) AN/ARN-14 TR: 1B-52H-2-25GA -1										
5.4.2.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-
5.4.2.2 Perform operational check TR: 1B-52H-2-25JG-1										
5.4.2.2.1 Fast operational check TR: Task 3-5 thru 3-5-4								-	-	-
5.4.2.2.2 Complete Check TR: Task 3-8 thru 3-8-9								-	-	-
5.4.2.3 Fault isolate TR: 1B-52H-2-25GA -1								-	-	-
5.4.2.4 Remove and install TR: 1B-52H-2-25JG-1										
5.4.2.4.1 Control Panel TR: Tasks 3-15 thru 3-16-1								-	-	-
5.4.2.4.2 Receiver TR: Tasks 3-13 thru 3-14-1								-	-	-
5.4.2.4.3 Antenna TR: Tasks 3-11 thru 3-12-1								-	-	-
5.4.3 Radar Beacon AN/APN-69 TR: 1B-52H-2-25GA -1										
5.4.3.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-
5.4.3.2 Perform operational check TR: 1B-52H-2-25JG-2										-
5.4.3.2.1 Fast operational check TR: Tasks 6-5 thru 6-5-4								-	-	-
5.4.3.2.2 Complete operational check TR: Tasks 6-8 thru 6-8-12								-	-	-
5.4.3.2.3 Wave Guide Pressurization and Leakage Test TR: Tasks 6-26 thru 6-27-1								-	-	-
5.4.3.3 Fault Isolate TR: 1B-52H-2-25GA -1								-	-	-
5.4.3.4 Remove and install TR: 1B-52H-2-25JG-2										
5.4.3.4.1 Control Panel TR: Tasks 6-11 thru 6-12-1-1								-	-	-
5.4.3.4.2 Receiver Transmitter TR: Task 6-13 thru 6-14-1								-	-	-
5.4.3.4.3 Antenna TR: Tasks 6-19 thru 6-20-1								-	-	-
5.4.3.4.4 Pressurization Pump TR: Tasks 6-21 thru 6-22-1								-	-	-
5.4.4 Marker Beacon Radio TR: 1B-52H-2-25GA -1										
5.4.4.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.4.4.2 Perform operational check TR: 1B-52H-2-25JG-1 Tasks 2-5 thru 2-5-5								-	-	-
5.4.4.3 Fault isolate TR: 1B-52H-2-25GA -1								-	-	-
5.4.4.4 Remove and install TR: 1B-52H-2-25JG-1										
5.4.4.4.1 Receiver TR: Tasks 2-8 thru 2-9-1								-	-	-
5.4.4.4.2 Antenna TR: Tasks 2-10 thru 2-11-1								-	-	-
5.4.5 Glide Path Radio AR/ARN 31/67										
5.4.5.1 Theory of Operation TR: 1B-52H-25GA -1								-	-	-
5.4.5.2 Operational check TR: Tasks 4-5 thru 4-5-7								-	-	-
5.4.5.3 Fault Isolate TR: 1B-52H-2-25GA -1								-	-	-
5.4.5.4 Remove and install TR: 1B-52H-2-25JG-1								-	-	-
5.4.5.4.1 Antenna TR: Tasks 4-10 thru 4-11-1								-	-	-
5.4.5.4.2 Receiver TR: Tasks 4-8 thru 4-9-1								-	-	-
5.4.6 Tactical Air Navigation (TACAN) AN/ARN-118 TR: 1B-52H-2-25GA -1										
5.4.6.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-
5.4.6.2 Perform operational check TR: 1B-52H-2-25JG-1										
5.4.6.2.1 TACAN fast check TR: 1B-52H-2-25JG-1 Task 5-5 thru 5-5-5								-	-	-
5.4.6.2.2 Complete check TR: Tasks 5-8 thru 5-8-8								-	-	-
5.4.6.2.3 Self-Test TR: Tasks 5-9 thru 5-9-2								-	-	-
5.4.6.3 Fault Isolate TR: 1B-52H-2-25GA -1								-	-	-
5.4.6.4 Remove and install TR: 1B-52H-2-25JG-2										
5.4.6.4.1 Control Panel TR: Tasks 5-18 thru 5-19-1								-	-	-
5.4.6.4.2 Receiver Transmitter TR: Tasks 5-12 thru 5-13-1								-	-	-
5.4.6.4.3 Antenna TR: Tasks 5-22 thru 5-23-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.4.6.4.4 TACAN Relay Shield TR: Tasks 5-20 thru 5-21-1								-	-	-
5.4.6.4.5 MX Adapter TR: Tasks 5-16 thru 5-17-1								-	-	-
5.4.6.4.6 TACAN R/T Mount TR: Tasks 5-14 thru 5-15-1								-	-	-
5.4.7 Inertial Navigation Set (INS)										
5.4.7.1 Theory of Operation TR: 1B-52H-2-33GA -1								-	-	-
5.4.7.2 Perform operational check TR: 1B-52H-2-33JG-1 Tasks 2-7 thru 2-7-5										
5.4.7.2.2 INS/OAS Position Drift Check TR: Tasks 2-8 thru 2-8-1 or 2-8 thru 2-8-2	*							-	-	-
5.4.7.3 Fault isolate TR: 1B-52H-2-33GA -1		*						-	-	-
5.4.7.4 Remove and install										
5.4.7.4.1 Inertial Measurement Unit (IMU) TR: 1B-52H-2-33JG-1 Task 3-3 thru 3-4-1	*							-	-	-
5.4.7.4.2 Interface Electronics Units (IEU) TR: 1B-52H-2-33JG-1 Tasks 3-5 thru 3-6-1								-	-	-
5.4.7.4.3 Rotor Support Power Adapter (RSPA) TR: 1B-52H-2-33JG-1 Tasks 3-7 thru 3-8-1								-	-	-
5.4.8 Inertial Navigation Set (INS) (AMI) AN/ASQ-136										
5.4.8.1 Theory of Operation TR: 1B-52H-2-33GA -1								-	-	-
5.4.8.2 Perform operational check TR: 1B-52H-2-33JG-2										
5.4.8.2.1 Operational check TR: Task 5-7	*							-	-	-
5.4.8.2.2 INS/OAS position Drift Check TR: Task 5-8	*							-	-	-
5.4.8.3 Fault isolate TR: 1B-52H-33GA -1		*						-	-	-
5.4.8.4 Remove and install										
5.4.8.4.1 Inertial navigation unit (INU) TR: 1B-52H-2-33JG-2 Tasks 6-3, 6-4	*							-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.4.8.4.2 INU mounting plate TR: 1B-52H-2-33JG-2 Tasks 6-5, 6-6								-	-	-
5.4.8.4.3 Air plenum TR: 1B-52H-2-33JG-2 Tasks 6-9, 6-10								-	-	-
5.4.9 Global Positioning System (GPS) AN/ARN-151										
5.4.9.1 Theory of Operation TR: 1B-52H-2-25GA -1								-	-	-
5.4.9.2 Perform operational check TR: 1B-52H-2-25JG-4										
5.4.9.2.1 Perform operational check TR: Tasks 8-8 thru 8-8-4	*							-	-	-
5.4.9.2.2 Fast Check TR: Tasks 8-5 thru 8-5-16	*							-	-	-
5.4.9.3 Fault isolation TR: 1B-52H-2-25GA -1								-	-	-
5.4.9.4 Remove and install TR: 1B-52H-2-25JG-4										
5.4.9.4.1 IU Power Panel TR: Tasks 8-27 thru 8-28-1								-	-	-
5.4.9.4.2 Programmable Keyboard TR: Tasks 8-29 thru 8-30-1								-	-	-
5.4.9.4.3 Interface Unit TR: Tasks 8-23 thru 8-24-1								-	-	-
5.4.9.4.4 Splitter Amplifier Unit TR: Tasks 8-32 thru 8-33-1								-	-	-
5.4.9.4.5 Antenna TR: Tasks 8-15 thru 8-16-1								-	-	-
5.4.9.4.6 Receiver TR: Tasks 8-19 thru 8-20-1								-	-	-
5.4.10 Doppler AN/ARN-218										
5.4.10.1 Theory of Operation TR: 1B-52H-2-21GA -1								-	-	-
5.4.10.2 Perform operational check TR: 1B-52H-2-21JG-1										
5.4.10.2.1 Power-off check procedures TR: Tasks 2-5 thru 2-5-1								-	-	-
5.4.10.2.2 Operational check TR: Tasks 2-12 thru 2-12-1								-	-	-
5.4.10.3 Fault isolate TR: 1B-52H-2-21GA -1								-	-	-
5.4.10.4 Remove and install TR: 1B-52H-2-21JG-1										
5.4.10.4.1 GSDI TR: Tasks 2-18 thru 2-19-1								-	-	-
5.4.10.4.2 Doppler Velocity Sensor TR: Tasks 2-20 thru 2-21-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.5 ON-BOARD RADAR SYSTEMS										
5.5.1 Strategic Radar (AN/APQ-166)										
5.5.1.1 Theory of Operation TR: 1B-52H-2-44GA -1								-	-	-
5.5.1.2 Perform Flightline Preliminary Procedures TR: 1B-52H-2-44JG-1										
5.5.1.2.1 Physical inspection of Radome Area TR: Task 2-7-1								-	-	-
5.5.1.2.2 Physical inspection of Navigator's Area TR: Task 2-7-2								-	-	-
5.5.1.2.3 Preoperational control settings TR: Task 2-8	*							-	-	-
5.5.1.2.4 Ground cooling and system power application TR: Task 2-9	*							-	-	-
5.5.1.2.5 Computational System Initialization TR: Tasks 2-10 thru 2-10-1	*							-	-	-
5.5.1.2.6 Computational System shutdown TR: Tasks 2-10 thru 2-10-2	*							-	-	-
5.5.1.2.7 Special functions initialization TR: Tasks 2-11 thru 2-11-1								-	-	-
5.5.1.2.8 End-of-test option TR: Task 2-11-2								-	-	-
5.5.1.2.9 System and cooling shutdown TR: Tasks 2-12 thru 2-12-1								-	-	-
5.5.1.2.10 Open and close Nose Radome TR: Tasks 2-13 thru 2-14-1	*							-	-	-
5.5.1.3 Perform limited operational check TR: 1B-52H-2-44JG-1, -2										
5.5.1.3.1 Pressurization system TR: Tasks 2-17 thru 2-17-1								-	-	-
5.5.1.3.2 Overheat Warning System TR: Tasks 2-18 thru 2-18-1								-	-	-
5.5.1.3.3 Antenna Azimuth Scan TR: Tasks 2-19 thru 2-19-1								-	-	-
5.5.1.3.4 TA Doppler Drift Check TR: Tasks 2-10 thru 2-10-1								-	-	-
5.5.1.3.5 Antenna Tilt TR: Tasks 2-21 thru 2-21-1								-	-	-
5.5.1.3.6 180-degree Phase Shifter Accuracy TR: Tasks 2-22 thru 2-22-1		*						-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.5.1.3.7 Terrain Display Control Panel (TDCP) TR: Tasks 2-23 thru 2-23-1								-	-	-
5.5.1.3.8 Radar Presentation Panel (RPP) interface TR: Tasks 2-24 thru 2-24-1								-	-	-
5.5.1.3.9 Radar Control Test Panel (RCTP) TR: Tasks 2-25 thru 2-25-1								-	-	-
5.5.1.3.10 Receiver Transmitter Modulator (RTM) TR: Tasks 2-26 thru 2-26-1	*							-	-	-
5.5.1.3.11 Radar Processor (RP) TR: Tasks 2-27 thru 2-27-1	*							-	-	-
5.5.1.3.12 Display Generator (DG) TR: Tasks 2-28 thru 2-28-1	*							-	-	-
5.5.1.3.13 Perform Tie-in and associated equipment TR: 1B-52H-2-44JG-2										
5.5.1.3.13.1 AN/APN-69 System TR: Tasks 2-29 thru 2-29-1								-	-	-
5.5.1.3.13.2 Attitude Heading Reference Systems (AHRS) Interface TR: Tasks 2-30 thru 2-30-1								-	-	-
5.5.1.3.13.3 Autopilot Systems Interface TR: Tasks 2-31 thru 2-31-1								-	-	-
5.5.1.3.13.4 Computational System Display Interface TR: Tasks 2-32 thru 2-32-1								-	-	-
5.5.1.3.13.5 Bomb Circuits Interface TR: Tasks 2-33 thru 2-33-1		*						-	-	-
5.5.1.3.13.6 ECM Blanking Interface TR: Tasks 2-34, 2-34-1								-	-	-
5.5.1.4 Perform operational checks										
5.5.1.4.1 Navigator Station Strategic Radar Check TR: 1B-52H-2-44JG-3 Task 2-37										
5.5.1.4.1.1 Support Systems TR: Task 2-37-1								-	-	-
5.5.1.4.1.2 Antenna Tilt Stabilization TR: Task 2-37-2								-	-	-
5.5.1.4.1.3 Display Azimuth Reference TR: Task 2-37-3								-	-	-
5.5.1.4.1.4 Display Azimuth Scan TR: Task 2-37-4								-	-	-
5.5.1.4.1.5 Operational check TR: Task 2-37-5								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.5.1.5 Service Pressurization Systems TR: 1B-52H-2-44JG-4										
5.5.1.5.1 Pressure System Servicing Removal and Installation TR: Task 3-37 thru 3-37-3								-	-	-
5.5.1.5.2 Filter and Air Dryer Servicing TR: Task 3-38 thru 3-38-2								-	-	-
5.5.1.6 Fault isolate STRAT Radar AN/APQ-166 TR: 1B-52H-2-44GA -1		*						-	-	-
5.5.1.7 Align/Adjust Nose Radome boresight marking TR: 1B-52H-2-44JG-3 Task 2-38-4										
5.5.1.8 Remove and install										
5.5.1.8.1 Receiver/Transmitter Modulator TR: 1B-52H-2-44JG-3 Tasks 3-7 thru 3-8-1	*							-	-	-
5.5.1.8.2 Radar Antenna TR: 1B-52H-2-44JG-4 Tasks 3-13 thru 3-14-1	*							-	-	-
5.5.1.8.3 Tilt Actuator TR: 1B-42H-2-44JG-4 Tasks 3-15 thru 3-16-1								-	-	-
5.5.1.8.4 Waveguide Assemblies TR: 1B-52H-2-44JG-3 Tasks 3-9 thru 3-10-1								-	-	-
5.5.1.8.5 180-degree phase shifter TR: 1B-52H-2-44JG-3 Tasks 3-11 thru 3-12-1								-	-	-
5.5.1.8.6 Pressurization System TR: 1B-52H-2-44JG-4 Tasks 3-37 thru 3-37-3								-	-	-
5.5.1.8.7 Antenna Position Programmer TR: 1B-52H-2-44JG-4 Task 3-23 thru 3-24-1								-	-	-
5.5.1.8.8 Radar Interface Unit TR: 1B-52H-2-44JG-4 Tasks 3-25 thru 3-26-1								-	-	-
5.5.1.8.9 Radar Scan Converter TR: 1B-52H-2-44JG-4 Tasks 3-27 thru 3-28-1								-	-	-
5.5.1.8.10 Radar Control Test Panel TR: 1B-52H-2-44JG-4 Tasks 3-29 thru 3-30-1								-	-	-
5.5.1.8.11 Radar Presentation Panel TR: 1B-52H-2-44JG-4 Tasks 3-33 thru 3-34-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.5.1.8.12 Radar Pressure Control Panel TR: 1B-52H-2-44JG-4 Tasks 3-35 thru 3-36								-	-	-
5.5.1.8.13 S/V Filter Box A9000 TR: 1B-52H-2-12JG-8 Tasks 8-4 thru 8-5								-	-	-
5.5.1.8.14 S/V Filter Box A9003 TR: 1B-52H-2-12JG-8 Tasks 8-6 thru 8-7								-	-	-
5.5.1.8.15 S/V Filter Box A9005 TR: 1B-52H-2-12JG-8 Tasks 8-8 thru 8-9								-	-	-
5.5.1.8.16 S/V Filter Box A9040 TR: 1Bk-52H-2-12JG-8 Tasks 8-12 thru 8-13								-	-	-
5.5.1.8.17 OAS Temperature Bulb TR: 1B-52H-2-34JG-3 Tasks 4-16 thru 4-17								-	-	-
5.5.2 Terrain Avoidance (TA)										
5.5.2.1 Theory of Operation TR: 1B-52H-2-44GA -1								-	-	-
5.5.2.2 Perform Pilot Station TA Check TR: 1B-42H-2-44JG-3										
5.5.2.2.1 TA Failure Warning Check TR: Task 2-38								-	-	-
5.5.2.2.2 TA Verification Test Setup TR: Task 2-38								-	-	-
5.5.2.2.3 TA System Verification TR: Task 2-38								-	-	-
5.5.2.3 Fault isolation TR: 1B-52H-2-44GA -1								-	-	-
5.5.2.4 Remove and install TR: 1B-42H-2-44GA -1										
5.5.2.4.1 Radar Processor TR: 1B-52H-2-4JG-4 Tasks 3-19 thru 3-20								-	-	-
5.5.2.4.2 Display Generator TR: 1B-52H-2-44JG-4 Tasks 3-21 thru 3-22-1								-	-	-
5.5.2.4.3 Terrain Display Control Panel TR: 1B-52H-2-44JG-4 Tasks 3-31 thru 3-32-1								-	-	-
5.5.3 Radar Altimeters AN/APN-224										
5.5.3.1 Theory of Operation TR: 1B-52H-2-35GA -1								-	-	-
5.5.3.2 Perform operational check TR: 1B-52H-2-35JG-1										

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.5.3.2.1 Power Off check TR: Tasks 2-5 thru 2-5-1								-	-	-
5.5.3.2.2 Operational check TR: Tasks 2-12 thru 2-12-1								-	-	-
5.5.3.3 Fault isolate TR: 1B-52H-2-35GA -1								-	-	-
5.5.3.4 Remove and install TR: 1B-52H-2-35JG-1										
5.5.3.4.1 Receiver/Transmitter TR: Tasks 2-19 thru 2-20-1								-	-	-
5.5.3.4.2 Antenna TR: Tasks 2-21 thru 2-22-1-1								-	-	-
5.5.3.4.3 Antenna Indicator TR: Tasks 2-17 thru 2-18-1								-	-	-
5.6 MISSION SYSTEMS										
5.6.1 Controls and Displays (CAD)										
5.6.1.1 Theory of Operation TR: 1B-52H-2-34GA -1								-	-	-
5.6.1.2 Perform operational checks TR: 1B-52H-2-34JG-2 TR: 1B-52H-2-34JG-6 (AMI)										
5.6.1.2.1 Power Application and Turn-On TR: Task 3-5-1/7-7-1 (AMI)								-	-	-
5.6.1.2.2 Integrated keyboard TR: Task 3-5-2/7-7-15 (AMI)								-	-	-
5.6.1.2.3 RNMP TR: Task 3-5-3/7-7-17 (AMI)								-	-	-
5.6.1.2.4 DEU TR: Task 3-5-3A/7-7-13 (AMI)								-	-	-
5.6.1.2.5 MIU Power Switch TR: Task 3-5-4/7-7-14 (AMI)								-	-	-
5.6.1.2.6 Shutdown TR: Task 3-5-5(7-7-18 (AMI)								-	-	-
5.6.1.3 Fault Isolate TR: 1B-52H-2-34GA -1		*						-	-	-
5.6.1.4 Remove and install										
5.6.1.4.1 Computer Control Panel TR: 1B-52H-2-34JG-1 Tasks 2-14 thru 2-15-1								-	-	-
5.6.1.4.2 Controls and Displays Interface Unit TR: 1B-52H-2-34JG-3 Tasks 3-8 thru 3-9-1								-	-	-
5.6.1.4.3 Display Electronics Unit TR: 1B-52H-2-34JG-3 Tasks 3-10 thru 3-11-1								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.6.1.4.4 Navigator Integrated Keyboard TR: 1B-52H-2-34JG-3 Tasks 3-12 thru 3-13-1								-	-	-
5.6.1.4.5 Radar Navigator Integrated Keyboard TR: 1B-52H-2-34JG-3 Tasks 3-12 thru 3-12-1, 3-14 thru 3-14-1								-	-	-
5.6.1.4.6 Navigator Multifunction Display TR: 1B-52H-2-34JG-3 Tasks 3-15 thru 3-16-1								-	-	-
5.6.1.4.7 Radar Navigator Multifunction Display TR: 1B-52H-2-34JG-3 Tasks 3-15 thru 3-15-2, 3-17 thru 3-17-1								-	-	-
5.6.1.4.8 Radar Navigator Management Panel TR: 1B-52H-2-34JG-3 Tasks 3-18 thru 3-19-1								-	-	-
5.6.1.4.9 OAS Power Control Panel TR: 1B-52H-2-34JG-3 Tasks 3-20 thru 3-21-1								-	-	-
5.6.1.5 Ground Maintenance Computer Program (GMCP)										
5.6.1.5.1 GMCP for fault data retrieval TR: 1B-52H-2-33GA -1, -34GA-1, -44GA -1								-	-	-
5.6.1.5.2 GMCP Fault Data Retrieval Reports for fault isolation of aircraft malfunctions TR: 1B-52H-2-33GA -1, -34GA-1, -44GA -1								-	-	-
5.6.2 Bus and Multiplexing System (1553A Data Bus System)										-
5.6.2.1 Theory of Operation TR: 1B-52H-2-34GA -1								-	-	-
5.6.2.2 Fault isolate TR: 1B-52H-2-34GA -1		*						-	-	-
5.6.2.3 Remove and install Bus Couplers								-	-	-
5.6.3 Computational and Subsystem/Offensive Avionics System (OAS)										
5.6.3.1 Theory of Operation TR: 1B-52H-2-34GA -1								-	-	-
5.6.3.2 Perform operational check TR: 1B-52H-2-34JG-1										

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.6.3.2.1 Operational check procedure TR: Tasks 2-5 thru 2-5-1								-	-	-
5.6.3.2.2 DTU check TR: Tasks 2-5, 2-5-2								-	-	-
5.6.3.2.3 Computer Control Panel TR: Tasks 2-5, 2-5-3								-	-	-
5.6.3.2.4 Shutdown TR: Task 2-5-4								-	-	-
5.6.3.2.5 ACU check TR: Task 2-5, 2-5-5								-	-	-
5.6.3.3 Fault isolate TR: 1B-52H-2-34GA -1		*						-	-	-
5.6.3.4 Remove and install										
5.6.3.4.1 Avionics Control Unit (ACU) TR: Tasks 2--8 thru 2-9-1, 2-10 thru 2-11, 2-12 thru 2-13								-	-	-
5.6.3.4.2 Computer Control Panel TR: Tasks 2-14 thru 2-15								-	-	-
5.6.3.4.3 Data Transfer Control Unit #1 TR: Tasks 2-16 thru 2-17								-	-	-
5.6.3.4.4 Data Transfer Control Unit #2 TR: Tasks 2-18 thru 2-19								-	-	-
5.6.3.4.5 Data Transfer Unit Cartridge Mount #1 TR: 1B-52H-2-34JG-1 Tasks 2-20 thru 2-21								-	-	-
5.6.3.4.6 Data Transfer Unit Cartridge Mount #2 TR: Tasks 2-22 thru 2-23								-	-	-
5.6.4 Computational Subsystem/ Offensive Avionics System (OAS) (AMI)										
5.6.4.1 Theory of operation TR: 1B-52H-2-34GA -1								-	-	-
5.6.4.2 Perform operational check TR: 1B-52H-34JG-6										
5.6.4.2.1 Operational check procedure TR: Task 7-7								-	-	-
5.6.4.2.2 DTD check TR: Task 7-7-11								-	-	-
5.6.4.2.3 Computer control panel TR: Task 7-7-16								-	-	-
5.6.4.2.4 Shutdown TR: Task 7-7-18, 7-7-19								-	-	-
5.6.4.3 Fault isolate TR: 1B-52H-2-34GA -1		*						-	-	-
5.6.4.4 Remove and install 1B-52H-2-34-JG-1										

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.6.4.4.1 Avionics control unit (ACU) TR: 2-9								-	-	-
5.6.4.4.2 Computer control panel TR: Task 2-15								-	-	-
5.6.4.4.3 Data transfer receptacle # 1 TR: Task 2-24, 2-25								-	-	-
5.6.4.4.4 Data transfer receptacle #2 TR: Task 2-26, 2-27								-	-	-
5.6.5 B-52 Information and Decoding System (BIDDS) TR: 1B-52H-8-4										
5.6.5.1 Theory of Operation TR: 1B-52H-8-4								-	-	-
5.6.5.2 Perform operational check TR: 1B-52H-8-4								-	-	-
5.6.5.3 ACU NVM Management TR: 1B-52H-2-34JG-6 TR: Task 7-10								-	-	-
5.6.5.4 Fault isolate TR: 1B-52H-8-4								-	-	-
5.6.6 Video Processing and Recording										
5.6.6.1 Airborne Video Tape Recorder (AVTR) System										
5.6.6.1.1 Theory of Operation TR: 1B-52H-2-41, 12S6-2AXQ-12								-	-	-
5.6.6.1.2 Perform operational check TR: 1B-52H-2-41								-	-	-
5.6.6.1.3 Fault isolate TR: 1B-52H-2-41, -12S6-2AXQ-12								-	-	-
5.6.6.1.4 Remove and install AVTR TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.6.2 AVTR Remote Control Unit (RCU)										
5.6.6.2.1 Theory of Operation TR: 1B-52H-2-41, 12S5-4-53-2								-	-	-
5.6.6.2.2 Perform operational check TR: 1B-52H-2-41								-	-	-
5.6.6.2.3 Fault isolate TR: 1B-52H-2-41, 12S5-4-53-2								-	-	-
5.6.6.2.4 Remove and install RCU TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7 Electro-optical Viewing System (EVS) AN/ASQ-151										

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.6.7.1 Theory of Operation TR: 1B-52H-2-41										
5.6.7.1.1 Steerable Television (STV)								-	-	-
5.6.7.1.2 Forward Looking Infrared (FLIR)								-	-	-
5.6.7.1.3 Data Presentation Group (DPG)								-	-	-
5.6.7.1.4 Tie -In								-	-	-
5.6.7.2 Power-off Check										
5.6.7.2.1 Radome Area								-	-	-
5.6.7.2.2 Navigator's Area								-	-	-
5.6.7.2.3 Pilot's Area								-	-	-
5.6.7.2.4 Preoperational Control								-	-	-
5.6.7.2.5 Power Application								-	-	-
5.6.7.3 Perform operational check TR: 1B-52H-2-41										
5.6.7.3.1 Preliminary								-	-	-
5.6.7.3.2 OAS/EVS Startup								-	-	-
5.6.7.3.3 Indicator Lights System								-	-	-
5.6.7.3.4 STV	*							-	-	-
5.6.7.3.5 FLIR	*							-	-	-
5.6.7.3.6 Symbols								-	-	-
5.6.7.3.7 EVS Ancillary System Tie-in check		*						-	-	-
5.6.7.4 Fault isolate TR: 1B-52H-2-41, 11B31-3-4-1		*						-	-	-
5.6.7.5 Remove and install										
5.6.7.5.1 Video Distribution Unit (VDUL) TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.2 Servo Control Unit (SCU) TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.3 Symbol Signal Generator (SSG) TR: 1B-52H-2-41 (Section VI)								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.6.7.5.4 EVS Monitors TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.5 FLIR Sensor assembly TR: 1B-52H-2-41 (Section VI)	*							-	-	-
5.6.7.5.6 Signal Data Converter (SDC) TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.7 STV Camera TR: 1B-52H-2-41 (Section VI)	*							-	-	-
5.6.7.5.8 STV Camera Electronics TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.9 STV Interconnect Bus TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.10 Gimbal Regulator Reference Unit TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.11 Pilots NFOV Switches TR: 1B-52H-2-34JG-3								-	-	-
5.6.7.5.12 Turret Drive Motor TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.13 Turret Drive Belt TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.14 Turret Window TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.5.15 Turret Bearing Assembly TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.6 Align/Adjust Systems										
5.6.7.6.1 EVS Turret drive belt tension TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.6.2 EVS turret limit switch TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.7 Service Electro-optical Viewing Systems										
5.6.7.7.1 Clean TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.7.1.1 Turret Window TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.7.1.2 Camera and Sensor mirror and lens TR: 1B-52H-2-41 (Section VI)								-	-	-
5.6.7.8 EVS Tie-ins Theory of Operation TR: 1B-52H-2-41								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.6.8 Video Recorder (VR) Systems										
5.6.8.1 Theory of operation TR: 1B-52H-2-30GA -1, 11B36-2-3-2								-	-	-
5.6.8.2 Perform operational check TR: 1B-52H-2-30JG-2										
5.6.8.2.1 Video Recorder BIT check TR: Tasks 3-6 thru 3-6-1								-	-	-
5.6.8.2.2 Restoration TR: Task 3-6-4								-	-	-
5.6.8.2.3 Radar scan converter signal and out-of-film check TR: Tasks 3-6, 3-6-2								-	-	-
5.6.8.2.4 GMCP Select Test and MFD mode check TR: Tasks 3-6, 3-6-3								-	-	-
5.6.8.3 Fault isolate TR: 1B-52H-30-GA-1 Section 4								-	-	-
5.6.8.4 Remove and install TR: 1B-52H-2-30JG-2										
5.6.8.4.1 VR Recorder TR: Tasks 3-9 thru 3-10-1								-	-	-
5.6.8.4.2 VR Film Magazine TR: Tasks 3-11 thru 3-12-1								-	-	-
5.6.8.4.3 Load and Unload Film Magazine TR: 11B36-2-3-2								-	-	-
5.7 ANCILLARY SYSTEMS AND TIE-IN (OAS)										
5.7.1 Theory of Operation TR: 1B-52H-2-34GA (Series)								-	-	-
5.7.2 Perform operational check TR: 1B-52H-2-34JG-3										
5.7.2.1 GMCP EVS Interface Unit (EIU) and Armament Interface Unit (AIU) check TR: Tasks 4-5 thru 4-5-3								-	-	-
5.7.2.2 Flight Computer Program (FCP) power application and turn-on TR: Tasks 4-5, 4-5-5-5								-	-	-
5.7.2.3 OAS true airspeed and attitude TR: Tasks 4-5, 4-5-7		*						-	-	-
5.7.2.4 Flight Command Indicator (FCI) TR: 4-5, 4-5-7								-	-	-
5.7.2.5 AIU/Tail Warning System Interface TR: Tasks 4-5, 4-5-8								-	-	-
5.7.2.6 FCP Shutdown TR: Tasks 4-5, 4-5-9								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.7.3 Remove and install										
5.7.3.1 EVS Interface Unit TR: 1B-52H-2-34JG-3 Tasks 4-8 thru 4-9-1								-	-	-
5.7.3.2 Armament Interface Unit TR: 1B-52H-2-34JG-3 Tasks 4-10 thru 4-11-1	*							-	-	-
5.8 ANCILLARY SYSTEMS AND TIE-IN (OAS) (AMI) TR:										
5.8.1 Theory of operation TR: 1B-52H-2-34GA (Series)								-	-	-
5.8.2 Perform Operational Check TR: 1B-52H-2-34JG-6										
5.8.2.1 GMCP EVS Interface Unit (EIU) and Armament Interface Unit (AIU) check TR: Task 7-7-12								-	-	-
5.8.2.2 Flight Computer Program FCP) power application and turn-on TR: Tasks 7-7-1 thru 7-7-2								-	-	-
5.8.2.3 OAS true airspeed and altitude TR: Task 7-7-4								-	-	-
5.8.2.4 Flight Command Indicator (FCI) TR: Task 7-7-5								-	-	-
5.8.2.5 ECMI/ODI Interface Check TR: Task 7-7-6								-	-	-
5.8.2.6 FCP shutdown TR: Tasks 7-7-18 thru 7-7-19								-	-	-
5.9 TARGETING POD										
5.9.1 Airborne Targeting and Designator Pod (LITENING) AN/AAQ-28 TR:										
5.9.1.1 Theory of Operation TR: 1B-52H-2-39GA -1								-	-	-
5.9.1.2 Perform operational check TR: 1B-52H-2-39JG-1										
5.9.1.2.1 Pod Operational checkout TR: Task 2-7								-	-	-
5.9.1.3 Fault isolate TR: 1B-52H-2-34GA -1								-	-	-
5.9.1.4 Remove and install										
5.9.1.4.1 Pod Carriage Assembly TR: Tasks 2-3 thru 2-4								-	-	-
5.9.1.4.2 Pod from/to Pod Carriage Pylon TR: Tasks 2-6 thru 2-7								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.9.1.4.3 AGWCP TR: Tasks 2-8 thru 2-9								-	-	-
5.9.1.4.4 AGM - 142 Monitor TR: Tasks 2-10 thru 2-11								-	-	-
5.9.1.4.5 Data Entry Joystick TR: Tasks 2-12 thru 2-13								-	-	-
5.10 FIELD SHOP TEST SET MAINTENANCE										
5.10.1 Radar Test Set (TRS), AN/APM-440, Test Set Maintenance TR: 33D7-44-253-1, -2										
5.10.1.1 Perform fault data retrieval procedures								-	-	-
5.10.1.2 Maintain tester and peculiar TRUs										
5.10.1.2.1 Perform operational check								-	-	-
5.10.1.2.2 Perform testing procedures of RTS unique equipment								-	-	-
5.10.1.3 Align and adjust										
5.10.1.3.1 Adjust Microwave power supply								-	-	-
5.10.1.3.2 Adjust Radar pressurizing test set limits								-	-	-
5.10.1.3.3 Adjust waveguide phase shifter								-	-	-
5.10.1.3.4 RFSP heading error potentiometer check								-	-	-
5.10.1.3.5 Phase comparator test								-	-	-
5.10.1.3.6 Lubricate and service dehydrator								-	-	-
5.10.1.3.7 Clean								-	-	-
5.10.1.3.8 Inspect								-	-	-
5.10.1.3.9 Isolate Malfunctions								-	-	-
5.10.1.3.10 Repair								-	-	-
5.10.1.3.11 Remove and replace TRUs								-	-	-
5.10.2 Radar Test Set (RTS), AN/APM-440, LRU maintenance TR: 33D7-44-253-1, -2										
5.10.2.1 DEU TR: 11B10-7-7-2										
5.10.2.1.1 Perform LRU performance/confidence checks								-	-	-

## B-52 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.2.1.2 Clean								-	-	-
5.10.2.1.3 Inspect								-	-	-
5.10.2.2 IKB TR: 11B-10-7-8-2										-
5.10.2.2.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.2.2 Clean								-	-	-
5.10.2.2.3 Inspect								-	-	-
5.10.2.3 DTUC TR: 11B-10-78-2										
5.10.2.3.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.3.2 Clean								-	-	-
5.10.2.3.3 Inspect								-	-	-
5.10.2.4 DTUCM TR: 11B-10-25-2-2										
5.10.2.4.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.4.2 Clean								-	-	-
5.10.2.4.3 Inspect								-	-	-
5.10.2.5 DTCU TR: 11B-10-25-2-2										
5.10.2.5.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.5.2 Clean								-	-	-
5.10.2.5.3 Inspect								-	-	-
5.10.2.6 CCP TR: 11B-12-10-9-2										
5.10.2.6.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.6.2 Isolate malfunctions								-	-	-
5.10.2.6.3 Repair								-	-	-
5.10.2.6.4 Inspect								-	-	-
5.10.2.6.5 Perform boarding resistance test								-	-	-
5.10.2.7 RPP TR: 11B-12-13-14-2										

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.2.7.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.7.2 Inspect								-	-	-
5.10.2.8 RNMP TR: 11B-12-29-3-2										
5.10.2.8.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.8.2 Inspect								-	-	-
5.10.2.9 PCP TR: 11-12-30-2-2										
5.10.2.9.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.9.2 Inspect								-	-	-
5.10.2.10 RIU TR: 11B-13-4-3-2										
5.10.2.10.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.10.2 Clean								-	-	-
5.10.2.10.3 Inspect								-	-	-
5.10.2.11 CDIU TR: 11B-13-4-6-2										
5.10.2.11.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.11.2 Clean								-	-	-
5.10.2.11.3 Inspect								-	-	-
5.10.2.12 RSC TR: 11B-13-4-7--2										-
5.10.2.12.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.12.2 Clean								-	-	-
5.10.2.12.3 Inspect								-	-	-
5.10.2.13 RP TR: 11B-13-4-12-2										
5.10.2.13.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.13.2 Clean								-	-	-
5.10.2.13.3 Inspect								-	-	-
5.10.2.14 DG TR: 11B-13-4-13-2										

## B-52 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.10.2.14.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.14.2 Clean								-	-	-
5.10.2.14.3 Inspect								-	-	-
5.10.2.15 MFD TR: 11B-21-5-4-2										
5.10.2.15.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.15.2 Clean								-	-	-
5.10.2.15.3 Inspect								-	-	-
5.10.2.16 Antenna Position Programmer (APP) TR: 11B-21-5-4-2										
5.10.2.16.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.16.2 Clean								-	-	-
5.10.2.16.3 Inspect								-	-	-
5.10.2.17 ACU TR: 11B-47-12-4-2										
5.10.2.17.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.17.2 Clean								-	-	-
5.10.2.17.3 Inspect								-	-	-
5.10.2.18 FCI TR: 11B-31-5-2-2- (Section 6)										
5.10.2.18.1 Perform LRU performance/ confidence checks								-	-	-
5.10.2.18.2 Align/Adjust								-	-	-
5.10.2.19 Radar Control Panel (RCTP) TR: 11B-12-29-4-12										
5.10.2.19.1 Perform LRU functional/ detailed checks								-	-	-
5.10.2.19.2 Clean								-	-	-
5.10.2.19.3 Inspect								-	-	-
5.10.2.20 Terrain Display Control Panel (TDCP) TR: 11B-12-29-6-2										
5.10.2.20.1 Perform LRU functional/ detailed checks								-	-	-

## B-52 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.2.20.2 Clean								-	-	-
5.10.2.21 Remote Control Unit (RCU) operational check TR: 1B-52H-2-41, 12S5-4-53-2										
5.10.2.21.1 Perform LRU operational check								-	-	-
5.10.2.21.2 Clean								-	-	-
5.10.2.21.3 Inspect								-	-	-
5.10.2.22 RTM TR: 11B-34-2-9-1, -2, -12										
5.10.2.22.1 Perform confidence test								-	-	-
5.10.2.22.2 Perform operational test								-	-	-
5.10.2.22.3 Perform functional test										
5.10.2.22.3.1 BITE test								-	-	-
5.10.2.22.3.2 Mode logic test								-	-	-
5.10.2.22.3.3 Timing test								-	-	-
5.10.2.22.3.4 RF tuning test								-	-	-
5.10.2.22.3.5 Frequency bit test								-	-	-
5.10.2.22.3.6 RF pulse width test								-	-	-
5.10.2.22.3.7 Sensitivity test								-	-	-
5.10.2.22.3.8 Trigger delay test/alignment								-	-	-
5.10.2.22.3.9 TA accuracy test								-	-	-
5.10.2.22.3.10 GM/MRI/STC test								-	-	-
5.10.2.22.3.11 ALQ-117 blanking test								-	-	-
5.10.2.22.3.12 Special functions test								-	-	-
5.10.2.22.3.13 Pressure test								-	-	-
5.10.2.22.4 Perform Fault Isolation (F/I) test/ alignments										
5.10.2.22.4.1 Mode Logic FI test								-	-	-
5.10.2.22.4.2 Crystal current FI test/ alignment								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.2.22.4.3 TR recovery FI test								-	-	-
5.10.2.22.4.4 AFC alignment								-	-	-
5.10.2.22.4.5 AFC acquisition FI test								-	-	-
5.10.2.22.4.6 RF power FI test								-	-	-
5.10.2.22.4.7 Amplitude alignment								-	-	-
5.10.2.22.4.8 Phase alignment								-	-	-
5.10.2.22.5 Isolate malfunctions								-	-	-
5.10.2.22.6 Repair								-	-	-
5.10.2.22.7 Clean								-	-	-
5.10.2.22.8 Inspect								-	-	-
5.10.2.23 Radar antenna TR: 11B-46-6-5-2										
5.10.2.23.1 Perform operational test								-	-	-
5.10.2.23.2 Perform functional test										
5.10.2.23.2.1 Mechanical boresight/ leveling test								-	-	-
5.10.2.23.2.2 Azimuth accuracy test/ alignment								-	-	-
5.10.2.23.2.3 Tilt accuracy test/ alignment								-	-	-
5.10.2.23.2.4 Tilt dynamic test								-	-	-
5.10.2.23.2.5 Pressure test								-	-	-
5.10.2.23.3 Isolate malfunctions								-	-	-
5.10.2.23.4 Repair								-	-	-
5.10.2.23.5 Clean								-	-	-
5.10.2.23.6 Inspect								-	-	-
5.10.2.23.7 Perform bonding resistance test								-	-	-
5.10.3 Transmitter/Modulator Assembly Test Set (TMATS), AN/ASM- 661, test set maintenance TR: 33D7-29-59-1										
5.10.3.1 Perform operational check								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.3.2 Align								-	-	-
5.10.3.3 Service								-	-	-
5.10.3.4 Clean								-	-	-
5.10.3.5 Inspect								-	-	-
5.10.3.6 Isolate malfunctions								-	-	-
5.10.3.7 Repair								-	-	-
5.10.3.8 Remove and replace TRUs								-	-	-
5.10.4 Transmitter/Modulator Assembly Test Set (TMATS) AN/ASM-661, T/M Assembly maintenance TR: 11B-24-3-5-2, 11B-34-2-9-2										
5.10.4.1 Perform functional check								-	-	-
5.10.4.2 Perform detailed check								-	-	-
5.10.4.3 Isolate malfunctions								-	-	-
5.10.4.4 Repair								-	-	-
5.10.4.5 Clean								-	-	-
5.10.4.6 Inspect								-	-	-
5.10.5 STV camera and FLIR sensor test set, AN/ASM-470, test set maintenance TR: 33D7-44-101-1, -2										
5.10.5.1 Perform normal operational check								-	-	-
5.10.5.2 Perform complete operational check								-	-	-
5.10.6 STV Camera and FLIR sensor test set, AN/ASM-470 LRU maintenance										
5.10.6.1 STV camera maintenance TR: 12S6-4-1-102										
5.10.6.1.1 Perform operational checks										
5.10.6.1.1.1 Camera head tilt								-	-	-
5.10.6.1.1.2 Elevation drive test								-	-	-
5.10.6.1.1.3 Azimuth drive test								-	-	-

## B-52 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.6.1.2 Align/Adjust										
5.10.6.1.2.1 Clean mirror								-	-	-
5.10.6.1.2.2 Lubricate								-	-	-
5.10.6.1.2.3 Purge								-	-	-
5.10.6.1.2.4 Isolate malfunctions								-	-	-
5.10.6.1.2.5 Repair								-	-	-
5.10.6.1.2.6 Clean								-	-	-
5.10.6.2 Perform confidence checks TR: 12S6-4-1-102										
5.10.6.2.1 STV control panel								-	-	-
5.10.6.3 Perform abbreviated operational check TR: 12S10-4-6-2										
5.10.6.3.1 FLIR control panel								-	-	-
5.10.6.4 Perform functional check										-
5.10.6.4.1 VDU TR: 11B-31-3-4-2								-	-	-
5.10.7 ACR Boresight Test Set										
5.10.7.1 Antenna Telescope Assembly										
5.10.7.1.1 Calibrate/Align								-	-	-
5.10.7.1.2 Service								-	-	-
5.10.7.1.3 Isolate Malfunctions								-	-	-
5.10.7.1.4 Repair								-	-	-
5.10.7.1.5 Inspect								-	-	-
5.10.7.2 Antenna Telescope Assembly RF Pattern								-	-	-
5.10.7.2.1 Calibrate/Align								-	-	-
5.10.7.2.2 Service								-	-	-
5.10.7.2.3 Isolate malfunctions								-	-	-
5.10.7.2.4 Repair								-	-	-

## B-52 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
5.10.7.2.5 Inspect								-	-	-
5.11 OPERATE TEST EQUIPMENT										-
5.11.1 Pulse generator TR: 33A1-8-875-1, -886-1								-	-	-
5.11.2 Electrostatic Voltmeter TR: 12S6-4-1-102								-	-	-
5.11.3 Antenna Attitude Measuring Set TR: 33D5-12-75-1, 33D5-15-5-1-1								-	-	-
5.11.4 Photometers TR: 33D10-16-6-1								-	-	-
5.11.5 Test Pattern Projector TR: 33D7-44-201-1, -2								-	-	-
5.11.6 Flash Protection Tester TR: 33D7-44-201-1, -2								-	-	-
5.11.7 AVTR Test Signal Generator TR: 12S6-2AXQ-12								-	-	-
5.11.8 RP/DG Tester TR: 1B-52H-44JG-4								-	-	-
5.11.9 RTM Breakout Box TR: 1B-52H-2-44JG-1								-	-	-
5.12 PHOTOGRAPHIC VIDEO EQUIPMENT										
5.12.1 Purpose and characteristics								-	-	-
5.12.2 Theory of operation								-	-	-
5.12.3 Perform operational check								-	-	-
5.12.4 Remove and install								-	-	-
5.12.5 Isolate malfunctions								-	-	-

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

Attachment 6 - C-5 Training Requirements

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-5 aircraft/systems. If C-5 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

6.1 GENERAL ORGANIZATIONAL MAINTENANCE										
6.1.1 Aircraft Familiarization										
6.1.1.1 Aircraft Safe for Maintenance	*							-	-	-
6.1.1.2 Major Structural Areas								-	-	-
6.1.1.3 Major Systems								-	-	-
6.1.1.4 Aircraft Egress Procedures								-	-	-
6.1.1.5 Technical order familiarization								-	-	-
6.1.1.6 Flightline safety/precautions security								-	-	-
6.2 GENERAL MAINTENANCE TASKS										
6.2.1 Dropped object prevention program (DOPP)								-	-	-
6.2.2 Statically ground aircraft								-	-	-
6.2.3 Apply/disconnect external electrical power unit	*							-	-	-
6.2.4 Operate APU/ATM								-	-	-
6.2.5 Operate Air Conditioning Unit								-	-	-
6.2.6 Open/close engine cowling								-	-	-
6.2.7 Operate cargo doors								-	-	-
6.2.8 Open/Close radomes	*/R							-	-	-
6.2.9 Enter/exit vertical stabilizer								-	-	-
6.2.10 Underfloor tunnel entry procedure (power on/off)								-	-	-

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.2.11 Deactivate/Activate Fire Suppression System (FSS)								-	-	-
6.2.12 Launch/Recover aircraft								-	-	-
6.2.13 Operate crew entrance door								-	-	-
6.2.14 Jack aircraft										
6.2.14.1 Jacking Supervisor								-	-	-
6.2.14.2 Jacking team member								-	-	-
6.2.15 Refuel/defuel aircraft										
6.2.15.1 Refuel/defuel supervisor								-	-	-
6.2.15.2 Panel operator								-	-	-
6.2.15.3 SPR monitor								-	-	-
6.2.15.4 CSS Duties								-	-	-
6.2.16 Remove and install aircraft maintenance access panels								-	-	-
6.2.17 Perform aircraft marshaling procedures								-	-	-
6.2.18 Tow Aircraft										
6.2.18.1 Tow team supervisor								-	-	-
6.2.18.2 Wing/tail walker								-	-	-
6.2.18.3 Brake operator								-	-	-
6.2.18.4 Tow vehicle operator								-	-	-
6.2.19 Kneel Aircraft										
6.2.19.1 Kneel team supervisor								-	-	-
6.2.19.2 Kneel team member								-	-	-
6.2.20 Perform inspections										
6.2.20.1 Aircraft phase/periodic/ISO								-	-	-
6.2.20.2 Home Station Check (HSC) inspection								-	-	-
6.2.20.3 Basic/Postflight/preflight thruflight								-	-	-
6.2.21 Service										

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.2.21.1 Liquid nitrogen system								-	-	-
6.2.21.2 Liquid oxygen system (LOX)								-	-	-
6.2.21.3 Aircraft struts with nitrogen								-	-	-
6.2.21.4 Aircraft tires								-	-	-
6.2.21.5 Aircraft engine oil								-	-	-
6.2.21.6 Aircraft hydraulic reservoir								-	-	-
6.2.21.7 Aircraft engine CSD								-	-	-
6.2.21.9 APU oil								-	-	-
6.2.21.10 ATM oil								-	-	-
6.2.21.11 Aircraft accumulator with nitrogen								-	-	-
6.2.21.12 Remove and install engine fan stopper/blockers								-	-	-
6.2.21.13 Change Data Link Printer paper								-	-	-
<b>6.3 COMMUNICATION SYSTEMS TR: 1C-5A-2-8</b>										
<b>6.3.1 Flight Interphone AN/AIC-18</b>										
6.3.1.1 General system knowledge								-	-	-
6.3.1.2 Perform operational check	*							-	-	-
6.3.1.3 Remove and install yoke/maintenance control wheel								-	-	-
6.3.1.4 Troubleshoot to LRUs	*							-	-	-
6.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
<b>6.3.2 Public Address AN/AIC-13</b>										
6.3.2.1 General system knowledge								-	-	-
6.3.2.2 Perform operational check								-	-	-
6.3.2.3 Troubleshoot to LRUs								-	-	-
6.3.2.4 Troubleshoot to other than LRUs								-	-	-
<b>6.3.3 High Frequency (HF) Radio AN/ARC-190</b>										
6.3.3.1 General system knowledge								-	-	-

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.3.3.2 Perform operational check	*							-	-	-
6.3.3.3 Remove and install Antenna								-	-	-
6.3.3.4 Troubleshoot to LRUs	*							-	-	-
6.3.3.5 Troubleshoot to other than LRUs		*						-	-	-
6.3.4 Very High Frequency (VHF) AM/FM Radio AN/ARC-210										
6.3.4.1 General system knowledge								-	-	-
6.3.4.2 Perform operational checks										
6.3.4.2.1 Normal	*							-	-	-
6.3.4.2.2 Have Quick								-	-	-
6.3.4.2.3 Secure								-	-	-
6.3.4.3 Troubleshoot to LRUs	*							*	-	-
6.3.4.4 Troubleshoot to other than LRUs		*						-	-	-
6.3.5 Very/Ultra High Frequency (V/UHF) Radio AN/ARC-210										
6.3.5.1 General system knowledge								-	-	-
6.3.5.2 Perform operational check										
6.3.5.2.1 Normal								-	-	-
6.3.5.2.2 Have Quick								-	-	-
6.3.5.2.3 Secure								-	-	-
6.3.5.3 Troubleshoot to LRUs								-	-	-
6.3.5.4 Troubleshoot to other than LRUs								-	-	-
6.3.6 Ultra High Frequency (UHF) Radio System (AN/ARC-164)										
6.3.6.1 General system knowledge								-	-	-
6.3.6.2 Perform operational check										
6.3.6.2.1 Normal	*							-	-	-
6.3.6.2.2 Have Quick								-	-	-
6.3.6.3 Troubleshoot to LRUs	*							-	-	-

## C-5 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.3.6.4 Troubleshoot to other than LRUs		*						-	-	-
6.3.7 AERO-I SATCOM System										
6.3.7.1 General system knowledge								-	-	-
6.3.7.2 Perform operational checks								-	-	-
6.3.7.3 Update/load/operate software								-	-	-
6.3.7.5 Troubleshoot to LRUs								-	-	-
6.3.7.6 Troubleshoot to other than LRUs								-	-	-
6.3.8 L-Band Aero-C SATCOM										
6.3.8.1 General system knowledge								-	-	-
6.3.8.2 Perform operational checks								-	-	-
6.3.8.3 Update/load/operate software								-	-	-
6.3.8.5 Troubleshoot to LRUs								-	-	-
6.3.8.6 Troubleshoot to other than LRUs								-	-	-
6.3.9 UHF Satellite Terminal System (USTS)										
6.3.9.1 General system knowledge								-	-	-
6.3.9.2 Perform operational check								-	-	-
6.3.9.3 Troubleshoot to LRUs								-	-	-
6.3.9.4 Troubleshoot to other than LRUs								-	-	-
6.3.10 Emergency Locator Transmitters (ELT) PN 3000-5										
6.3.10.1 General system knowledge								-	-	-
6.3.10.2 Perform operational check	*							-	-	-
6.3.10.3 Remove and install Battery pack								-	-	-
6.3.10.4 Troubleshoot to LRUs	*							-	-	-
6.3.10.5 Troubleshoot to other than LRUs		*						-	-	-
6.3.11 Underwater Locator/Underwater Acoustical Beacon										
6.3.11.1 General system knowledge								-	-	-

## C-5 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.3.11.2 Perform operational check								-	-	-
6.3.12 Wideband Secure Voice (WBSV) KY-58										
6.3.12.1 General system knowledge								-	-	-
6.3.12.2 Perform operational check								-	-	-
6.3.12.3 Troubleshoot to LRUs								-	-	-
6.3.12.4 Troubleshoot to other than LRUs								-	-	-
6.3.13 Narrowband Secure Voice (NBSV) ANDVT										
6.3.13.1 General system knowledge								-	-	-
6.3.13.2 Perform operational check								-	-	-
6.3.13.3 Troubleshoot to LRUs								-	-	-
6.3.13.4 Troubleshoot to other than LRUs								-	-	-
6.3.14 Cockpit Voice Recorder										
6.3.14.1 General system knowledge								-	-	-
6.3.14.2 Perform operational check	*							-	-	-
6.3.14.3 Troubleshoot to LRUs	*							-	-	-
6.3.14.4 Troubleshoot to other than LRUs		*						-	-	-
6.3.15 Static Dischargers										
6.3.15.1 General system knowledge								-	-	-
6.3.15.2 Perform inspection								-	-	-
6.3.15.3 Remove and install Static Discharger								-	-	-
6.4 NAVIGATION SYSTEMS TR: 1C-5A-2-8 Series										
6.4.1 Identification Friend or Foe (IFF) Transponders AN/APX-100(V)										
6.4.1.1 General system knowledge								-	-	-
6.4.1.2 Perform operational check										
6.4.1.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
6.4.1.2.2 Mode 4	*							-	-	-

## C-5 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.4.1.2.3 Mode S	*							-	-	-
6.4.1.3 Troubleshoot to LRUs	*							-	-	-
6.4.1.4 Troubleshoot to other than LRUs		*						-	-	-
6.4.2 VOR/LOC AN/ARN-147, Glideslope 51V-4A/Marker Beacon ARN-32, 51Z-3/51Z-4										
6.4.2.1 General system knowledge								-	-	-
6.4.2.2 Perform operational check	*							-	-	-
6.4.2.3 Troubleshoot to LRUs	*							-	-	-
6.4.2.4 Troubleshoot to other than LRUs		*						-	-	-
6.4.3 Tactical Air Navigation (TACAN) AN/ARN-118										
6.4.3.1 General system knowledge								-	-	-
6.4.3.2 Perform operational check								-	-	-
6.4.3.3 Troubleshoot to LRUs								-	-	-
6.4.3.4 Troubleshoot to other than LRUs								-	-	-
6.4.4 Inertial Navigation System (INS)										
6.4.4.1 General system knowledge								-	-	-
6.4.4.2 Perform operational check	*/R							-	-	-
6.4.4.3 Troubleshoot to LRUs	*/R							-	-	-
6.4.4.4 Troubleshoot to other than LRUs		*/R						-	-	-
6.4.5 Global Positioning System FMS- 800										
6.4.5.1 General system knowledge								-	-	-
6.4.5.2 Perform operational check								-	-	-
6.4.5.3 Troubleshoot to LRUs								-	-	-
6.4.5.4 Troubleshoot to other than LRUs								-	-	-
6.4.6 Automatic Direction Finder (ADF) DF-206/203										
6.4.6.1 General system knowledge								-	-	-

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.4.6.2 Perform operational check								-	-	-
6.4.6.3 Troubleshoot to LRUs								-	-	-
6.4.6.4 Troubleshoot to other than LRUs								-	-	-
6.4.7 Traffic Alert and Collision Avoidance System										
6.4.7.1 General system knowledge								-	-	-
6.4.7.2 Perform operational check								-	-	-
6.4.7.3 Troubleshoot to LRUs								-	-	-
6.4.7.4 Troubleshoot to other than LRUs								-	-	-
6.4.8 Navigation Selection Panel (NSP) TR: 1C-5A-2-6										
6.4.8.1 General system knowledge								-	-	-
6.4.8.2 Perform operational check								-	-	-
6.4.8.3 Remove and install LRUs								-	-	-
6.4.8.4 Troubleshoot to LRUs								-	-	-
6.4.8.5 Troubleshoot to other than LRUs								-	-	-
6.4.9 Multi-Mode Receiver (MMR)										
6.4.9.1 General system knowledge								-	-	-
6.4.9.2 Perform operational checks								-	-	-
6.4.9.4 Troubleshoot to LRUs								-	-	-
6.4.9.5 Troubleshoot to other than LRUs								-	-	-
6.4.10 Embedded GPS/INS (EGI)										
6.4.10.1 General system knowledge								-	-	-
6.4.10.2 Perform operational checks								-	-	-
6.4.10.4 Troubleshoot to LRUs								-	-	-
6.4.10.5 Troubleshoot to other than LRUs								-	-	-
6.5 RADAR TR: 1C-5A-2-8 Series										
6.5.1 Color Weather Radar										

## C-5 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.5.1.1 General system knowledge								-	-	-
6.5.1.2 Perform operational check	*							-	-	-
6.5.1.3 Perform Pressurization Check								-	-	-
6.5.1.4 Remove and install										
6.5.1.4.1 Antenna	*							-	-	-
6.5.1.4.2 Waveguide								-	-	-
6.5.1.4.3 Desiccant crystals								-	-	-
6.5.1.5 Troubleshoot to LRUs	*							-	-	-
6.5.1.6 Troubleshoot to other than LRUs		*						-	-	-
6.5.2 Combined Altitude Radar Altimeter (CARA) AN/APN-232										
6.5.2.1 General system knowledge								-	-	-
6.5.2.2 Perform operational check	*							-	-	-
6.5.2.3 Remove and install Antenna								-	-	-
6.5.2.4 Troubleshoot to LRUs	*							-	-	-
6.5.2.5 Troubleshoot to other than LRUs		*						-	-	-
6.6 MISSION SYSTEMS TR: 1C-5A-2-8 Series										
6.6.1 Flight Management System FMS-800										
6.6.1.1 General system knowledge								-	-	-
6.6.1.2 Perform operational check	*							-	-	-
6.6.1.3 Update/load/operate software								-	-	-
6.6.1.4 Troubleshoot to LRUs	*							-	-	-
6.6.1.5 Troubleshoot to other than LRUs		*						-	-	-
6.6.2 Core Processing System										
6.6.2.1 General system knowledge								-	-	-
6.6.2.2 Perform operational checks								-	-	-
6.6.2.3 Update/load/operate software								-	-	-

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.6.2.4 Troubleshoot to LRUs								-	-	-
6.6.2.5 Troubleshoot to other than LRUs								-	-	-
6.6.3 Controls and Displays System TR: 1C-5A-2-6-1										
6.6.3.1 General system knowledge								-	-	-
6.6.3.2 Perform operational checks								-	-	-
6.6.3.3 Troubleshoot to LRUs								-	-	-
6.6.3.4 Troubleshoot to other than LRUs								-	-	-
6.7 INTERMEDIATE MAINTENANCE TR: 1C-5A-2-8 Series										
6.7.1 Interphone System										
6.7.1.1 Interphone Control Box										
6.7.1.1.1 Perform minimum system performance check								-	-	-
6.7.1.1.2 Troubleshoot to SRU								-	-	-
6.7.1.1.3 Remove and install SRU								-	-	-
6.7.1.1.4 Build and repair cords								-	-	-
6.7.1.1.5 Overhaul yoke assembly								-	-	-
6.7.2 Public Address System										
6.7.2.1 Public address control box										
6.7.2.1.1 Perform minimum system performance check								-	-	-
6.7.2.1.2 Troubleshoot to SRU								-	-	-
6.7.2.1.3 Remove and install SRU								-	-	-
6.7.2.2 Public Address Amplifier										
6.7.2.2.1 Perform minimum system performance check								-	-	-
6.7.2.2 Troubleshoot to SRU								-	-	-
6.7.2.2.3 Remove and install SRU								-	-	-
6.7.3.3 HF Communication Systems										
6.7.3.3.1 HF Control Box										

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.7.3.3.1.1 Perform minimum system performance check								-	-	-
6.7.3.3.1.2 Troubleshoot to SRU								-	-	-
6.7.3.1.3 Remove and install SRU								-	-	-
6.7.3.3.2 HF Receiver/Transmitter										
6.7.4.3.2.1 Perform minimum system performance check								-	-	-
6.7.4.3.2.2 Troubleshoot to SRU								-	-	-
6.7.4.3.2.3 Remove and install SRU								-	-	-
6.7.4.3.3 HF Coupler										
6.7.4.3.3.1 Perform minimum system performance check								-	-	-
6.7.4.3.3.2 Troubleshoot to SRU								-	-	-
6.7.4.3.3.3 Remove and install SRU								-	-	-
6.7.4.4 UHF Communication System										
6.7.4.4.1 UHF Control Box										-
6.7.4.4.1.1 Perform Minimum system performance check								-	-	-
6.7.4.4.1.2 Troubleshoot to SRU								-	-	-
6.7.4.4.1.3 Remove and install SRU								-	-	-
6.7.4.4.2 UHF Receiver/Transmitter										
6.7.4.4.2.1 Perform minimum system performance check								-	-	-
6.7.4.4.2.2 Troubleshoot to SRU								-	-	-
6.7.4.4.2.3 Remove and install SRU								-	-	-
6.7.4.5 VHF Navigation System										
6.7.4.5.1 Perform minimum system performance check								-	-	-
6.7.4.5.2 Troubleshoot to SRU								-	-	-
6.7.4.5.3 Remove and install SRU								-	-	-
6.7.4.6 TACAN										
6.7.4.6.1 TACAN Receiver/Transmitter										

## C-5 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.7.4.6.1.1 Perform minimum system performance check								-	-	-
6.7.4.6.1.2 Troubleshoot to SRU								-	-	-
6.7.4.6.1.3 Remove and install SRU								-	-	-
6.7.4.6.2 TACAN Mount								-	-	-
6.7.4.6.2.1 Perform minimum performance check								-	-	-
6.7.4.6.2.2 Troubleshoot to SRU								-	-	-
6.7.4.6.2.3 Remove and install SRU								-	-	-
6.7.4.7 Inertial Navigation Systems (INS)										
6.7.4.7.1 Inertial Navigation Unit										
6.7.4.7.1.1 Perform minimum system performance check								-	-	-
6.7.4.7.1.2 Program navigational unit								-	-	-
6.7.4.7.1.3 Burnishing								-	-	-
6.7.4.7.2 INS Cooling Unit										
6.7.4.7.2.1 Perform minimum system performance check								-	-	-
6.7.4.7.2.2 Troubleshoot to SRU								-	-	-
6.7.4.7.2.3 Remove and install SRU								-	-	-
6.7.4.7.3 Navigation Select Panel										
6.7.4.7.3.1 Perform minimum system performance check								-	-	-
6.7.4.7.3.2 Troubleshoot to SRU								-	-	-
6.7.4.7.3.3 Remove and install SRU								-	-	-
6.7.4.8 Color Weather Radar System										
6.7.4.8.1 Color Weather Radar Receiver/Transmitter										
6.7.4.8.1.1 Perform minimum system performance check								-	-	-
6.7.4.8.1.2 Troubleshoot to SRU								-	-	-
6.7.4.8.1.3 Remove and Install SRU								-	-	-
6.7.4.8.2 Color Weather Radar Multi-Function Display										

## C-5 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
6.7.4.8.2.1 Perform minimum system performance check								-	-	-
6.7.4.8.2.2 Troubleshoot to SRU								-	-	-
6.7.4.8.2.3 Remove and install SRU								-	-	-
6.7.4.8.3 Color Weather Radar Control Box										
6.7.4.8.3.1 Perform minimum system performance check								-	-	-
6.7.4.8.3.2 Troubleshoot to SRU								-	-	-
6.7.4.8.3.3 Remove and install SRU								-	-	-
6.7.4.9 FMS 800 System										
6.7.4.9.1 Control Display Unit										
6.7.4.9.1.1 Perform BRAT check								-	-	-
6.7.4.9.2 Bus System Interface Unit										
6.7.4.9.2.1 Perform BRAT check								-	-	-



## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

Attachment 7 - C-9 Training Requirements

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-9 aircraft/systems. If C-9 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

7.1 GENERAL ORGANIZATIONAL MAINTENANCE										
7.1.1 Aircraft Familiarization										
7.1.1.1 Aircraft safe for maintenance	*							-	-	-
7.1.1.2 Select/use safetying devices								-	-	-
7.1.1.3 Major structural areas								-	-	-
7.1.1.4 Major systems								-	-	-
7.1.1.5 Aircraft egress procedures	*							-	-	-
7.1.1.6 Flight-line safety precautions/ security	*							-	-	-
7.1.1.7 Technical Order familiarization	*							-	-	-
7.1.1.8 Inspect/use aerospace ground equipment (AGE)	*							-	-	-
7.1.1.9 Team Communication Training								-	-	-
7.1.1.10 FOD Prevention/DOPP								-	-	-
7.2 GENERAL MAINTENANCE TASKS TR: Applicable C-9 Technical Orders										
7.2.1 Statically ground aircraft								-	-	-
7.2.2 Remove and install maintenance access panels								-	-	-
7.2.3 Open and close radomes								-	-	-
7.2.4 Open and close engine cowlings								-	-	-
7.2.5 Apply/disconnect external electrical power using										

## C-9 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.2.5.1 Hangar power units	*							-	-	-
7.2.5.2 AGE electrical power units	*							-	-	-
7.2.6 Operate Aircraft Auxiliary Power Unit (APU)								-	-	-
7.2.7 Apply hydraulic power								-	-	-
7.2.8 Launch/recover aircraft								-	-	-
7.2.9 Tow aircraft										
7.2.9.1 Wing/Tail Walker								-	-	-
7.2.9.2 Tow Brake operator								-	-	-
7.2.10 Perform refuel/defuel team member duties								-	-	-
7.2.11 Perform jacking team member duties								-	-	-
7.2.12 Perform aircraft HSC, ISO inspection								-	-	-
7.2.13 Operate Passenger Ramp								-	-	-
7.2.14 Perform proximity switch control covering/uncovering								-	-	-
7.2.15 Dropped object prevention program (DOPP)								-	-	-
7.3 COMMUNICATION SYSTEMS										
7.3.1 Flight Interphone TR: 1C-9C-2-23-40										
7.3.1.1 General system knowledge								-	-	-
7.3.1.2 Perform operational check	*							-	-	-
7.3.1.3 Remove and install Yoke/maintenance control switch								-	-	-
7.3.1.4 Troubleshoot to LRUs	*							-	-	-
7.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
7.3.2 Service Interphone/PA Handset										
7.3.2.1 General system knowledge								-	-	-
7.3.2.2 Perform operational check								-	-	-
7.3.2.3 Troubleshoot to LRUs								-	-	-
7.3.2.4 Troubleshoot to other than LRUs								-	-	-

## C-9 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.3 Audio Integrating System TR: 1C-9C-2-23-50										
7.3.3.1 General system knowledge								-	-	-
7.3.3.2 Perform operational check	*							-	-	-
7.3.3.3 Troubleshoot to LRUs	*							-	-	-
7.3.3.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.4 Passenger Address TR: 1C-9C-2-23-31										
7.3.4.1 General system knowledge								-	-	-
7.3.4.2 Perform operational check	*							-	-	-
7.3.4.3 Troubleshoot to LRUs	*							-	-	-
7.3.4.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.5 Direct Broadcast Satellite Television TR: 1C-9C-2-23-32										
7.3.5.1 General system knowledge								-	-	-
7.3.5.2 Perform operational check								-	-	-
7.3.5.3 Troubleshoot to LRUs								-	-	-
7.3.5.4 Troubleshoot to other than LRUs								-	-	-
7.3.6 Electronic Chime TR: 1C-9C-2-23-31										
7.3.6.1 General system knowledge								-	-	-
7.3.6.2 Perform operational check								-	-	-
7.3.6.3 Troubleshoot to LRUs								-	-	-
7.3.6.4 Troubleshoot to other than LRUs								-	-	-
7.3.7 High Frequency (HF) Radio AN/ARC-190(V) TR: 1C-9C-2-23-10										
7.3.7.1 General system knowledge								-	-	-
7.3.7.2 Perform operational check	*							-	-	-
7.3.7.3 Remove and install										
7.3.7.3.1 Coupler								-	-	-

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.7.3.2 Coupler Mount								-	-	-
7.3.7.3.3 HF coupler feed thru assembly								-	-	-
7.3.7.3.4 Lightening arrestor								-	-	-
7.3.7.4 Troubleshoot to LRUs	*							-	-	-
7.3.7.5 Troubleshoot to other than LRUs		*						-	-	-
7.3.8 Very High Frequency (VHF) AM Radio 618M-5A TR: 1C-9C-2-23-20										
7.3.8.1 General system knowledge								-	-	-
7.3.8.2 Perform operational check	*							-	-	-
7.3.8.3 Troubleshoot to LRUs	*							-	-	-
7.3.8.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.9 VHF/FM Radio Phone System TR: 1C-9C-2-23-23										
7.3.9.1 General system knowledge								-	-	-
7.3.9.2 Perform operational checks								-	-	-
7.3.9.3 Remove and install LRUs								-	-	-
7.3.9.4 Troubleshoot to LRUs								-	-	-
7.3.9.5 Troubleshoot to other than LRUs								-	-	-
7.3.10 Ultra High Frequency (UHF) Radio System AN/ARC-164 TR: 1C-9C-2-23-80										
7.3.10.1 General system knowledge								-	-	-
7.3.10.2 Perform operational check										
7.3.10.2.1 Normal	*							-	-	-
7.3.10.2.2 Have Quick	*							-	-	-
7.3.10.3 Troubleshoot to LRUs	*							-	-	-
7.3.10.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.11 Ultra High Frequency (UHF) Radio System (LST-5C-E) TR: 1C-9C-2-23-24-0										

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.11.1 General system knowledge								-	-	-
7.3.11.2 Perform operational check										
7.3.11.2.1 Normal	*							-	-	-
7.3.11.2.2 Have Quick	*							-	-	-
7.3.11.3 Troubleshoot to LRUs	*							-	-	-
7.3.11.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.12 Terrestrial Aeronautical Radiotelephone System (TARS) TR: 1C-9C-2-23-25										
7.3.12.1 General system knowledge								-	-	-
7.3.12.2 Perform operational checks								-	-	-
7.3.12.3 Remove and install LRUs								-	-	-
7.3.12.4 Troubleshoot to LRU								-	-	-
7.3.12.5 Troubleshoot to other than LRUs								-	-	-
7.3.13 International Maritime Satellite System (INMARSAT) TR: 1C-9C-2-23-26									-	
7.3.13.1 General system knowledge								-	-	-
7.3.13.2 Perform operational checks								-	-	-
7.3.13.3 Remove and install LRUs								-	-	-
7.3.13.4 Troubleshoot to LRUs								-	-	-
7.3.13.5 Troubleshoot to other than LRUs								-	-	-
7.3.14 CSO Audio Integration TR: 1C-9C-2-23-51/-52										
7.3.14.1 General system knowledge								-	-	-
7.3.14.2 Perform operational checks								-	-	-
7.3.14.3 Remove and install LRUs								-	-	-
7.3.14.4 Troubleshoot to LRUs								-	-	-
7.3.14.5 Troubleshoot to other than LRUs								-	-	-

## C-9 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.15 Information Center (Entertainment Systems) TR: 1C-9C-2-23-29-0										
7.3.15.1 General system knowledge								-	-	-
7.3.15.2 Perform operational checks								-	-	-
7.3.15.3 Remove and install LRUs								-	-	-
7.3.15.4 Troubleshoot to LRUs								-	-	-
7.3.15.5 Troubleshoot to other than LRUs								-	-	-
7.3.16 Cockpit Voice Recorder A-1005 TR: 1C-9C-2-23-70										
7.3.16.1 General system knowledge								-	-	-
7.3.16.2 Perform operational checks	*							-	-	-
7.3.16.3 Troubleshoot to LRUs	*							-	-	-
7.3.16.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.17 Emergency Locator Transmitter (ELT) PN 3000-5 TR: 1C-9C-2-23-24										
7.3.17.1 General system knowledge								-	-	-
7.3.17.2 Perform operational check	*							-	-	-
7.3.17.3 Troubleshoot to LRUs	*							-	-	-
7.3.17.4 Troubleshoot to other than LRUs		*						-	-	-
7.3.18 Underwater Acoustical Beacon (UAB)/ Underwater Locator Beacon TR: 1C-9C-2-31-26										
7.3.18.1 General system knowledge								-	-	-
7.3.18.2 Perform operational check								-	-	-
7.3.18.3 Troubleshoot to LRUs								-	-	-
7.3.18.4 Troubleshoot to other than LRUs								-	-	-
7.3.19 Static Discharging TR: 1C-9C-2-23-60										
7.3.19.1 General system knowledge								-	-	-
7.3.19.2 Perform operational check								-	-	-

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.19.3 Remove and install										
7.3.19.3.1 Static Dischargers								-	-	-
7.3.19.3.2 Lightening diverter								-	-	-
7.3.19.4 Troubleshoot to LRUs								-	-	-
7.3.19.5 Troubleshoot to other than LRUs								-	-	-
7.3.20 Computer/Printer TR: 1C-9C-2-23-54										
7.3.20.1 General system knowledge								-	-	-
7.3.20.2 Perform operational check								-	-	-
7.3.20.3 Troubleshoot to LRUs								-	-	-
7.3.21 UHF Satellite Communication TR: 1C-9C-2-23-24										
7.3.21.1 General system knowledge								-	-	-
7.3.21.2 Perform operational check								-	-	-
7.3.21.3 Troubleshoot to LRUs								-	-	-
7.3.21.4 Troubleshoot to other than LRUs								-	-	-
7.3.22 Secure telephone/FAX System TR: 1C-9C-2-23-53										
7.3.22.1 General system knowledge								-	-	-
7.3.22.2 Perform operational check								-	-	-
7.3.22.3 Troubleshoot to LRUs								-	-	-
7.3.22.4 Troubleshoot to other than LRUs								-	-	-
7.3.23 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-9C-2-23-55										
7.3.23.1 General system knowledge								-	-	-
7.3.23.2 Perform operational check								-	-	-
7.3.23.3 Troubleshoot to LRUs								-	-	-
7.3.23.4 Troubleshoot to other than LRUs								-	-	-
7.3.24 Landline System TR: 1C-9C-2-23-56										

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.3.24.1 General system knowledge								-	-	-
7.3.24.2 Perform operational check								-	-	-
7.3.24.3 Troubleshoot to LRUs								-	-	-
7.3.24.4 Troubleshoot to other than LRUs								-	-	-
7.3.25 VHF/UHF/FM Radio System TR: 1C-9C-2-23-23										
7.3.25.1 General system knowledge								-	-	-
7.3.25.2 Perform operational check								-	-	-
7.3.25.3 Troubleshoot to LRUs								-	-	-
7.3.25.4 Troubleshoot to other than LRUs								-	-	-
7.4 NAVIGATION SYSTEMS										
7.4.1 Radar Identification System										
7.4.1.1 Identification Friend or Foe (IFF) Transponder AN/APX-100 TR: 1C-9C-2-34-45										
7.4.1.1.1 General system knowledge								-	-	-
7.4.1.1.2 Perform operational check										
7.4.1.1.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
7.4.1.1.2.2 Mode 4	*							-	-	-
7.4.1.1.3 Troubleshoot to LRUs	*							-	-	-
7.4.1.1.4 Troubleshoot to other than LRUs		*						-	-	-
7.4.2 VHF Navigation System										
7.4.2.1 VOR/LOC AN/ARN-17 TR: 1C-9C-2-34-32										
7.4.2.1.1 General system knowledge								-	-	-
7.4.2.1.2 Perform operational check	*							-	-	-
7.4.2.1.3 Remove and install										
7.4.2.1.3.1 VOR antenna								-	-	-
7.4.2.1.3.2 LOC antenna								-	-	-

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.4.2.1.4 Troubleshoot to LRUs	*							-	-	-
7.4.2.1.5 Troubleshoot to other than LRUs		*						-	-	-
7.4.2.2 Glideslope System AN/ARN-17 TR: 1C-9C-2-34-33										
7.4.2.2.1 General system knowledge								-	-	-
7.4.2.2.2 Perform operational check	*							-	-	-
7.4.2.2.3 Troubleshoot to LRUs	*							-	-	-
7.4.2.2.4 Troubleshoot to other than LRUs		*						-	-	-
7.4.2.3 Marker Beacon System AN/ARN-17 TR: 1C-9C-2-34-35										
7.4.2.3.1 Perform operational check								-	-	-
7.4.2.3.2 Troubleshoot to LRUs								-	-	-
7.4.2.3.3 Troubleshoot to other than LRUs								-	-	-
7.4.3 Flight Management System (FMS-800) TR: 1C-9C-2-34-60										
7.4.3.1 General system knowledge								-	-	-
7.4.3.2 Perform operational check	*							-	-	-
7.4.3.3 Troubleshoot to LRUs	*							-	-	-
7.4.3.4 Troubleshoot to other than LRUs		*						-	-	-
7.4.4 Distance Measuring Equipment (DME) B60E-4 TR: 1C-9C-2-34-43										
7.4.4.1 General system knowledge								-	-	-
7.4.4.2 Perform operational check								-	-	-
7.4.4.3 Troubleshoot to LRUs								-	-	-
7.4.4.4 Troubleshoot to other than LRUs								-	-	-
7.4.5 Inertial Navigation System (INS) LTN-92 TR: 1C-9C-2-34-46										
7.4.5.1 General system knowledge								-	-	-

## C-9 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.4.5.2 Perform operational check	*							-	-	-
7.4.5.3 Troubleshoot to LRUs	*							-	-	-
7.4.5.4 Troubleshoot to other than LRUs		*						-	-	-
7.4.6 Global Positioning System (GPS) FMS-800 TR: 1C-9C-2-34-57										
7.4.6.1 General system knowledge								-	-	-
7.4.6.2 Perform operational check								-	-	-
7.4.6.3 Remove and install battery								-	-	-
7.4.6.4 Troubleshoot to LRUs								-	-	-
7.4.6.5 Troubleshoot to other than LRUs								-	-	-
7.4.7 Automatic Direction Finder (ADF) 51Y-4 TR: 1C-9C-2-34-31										
7.4.7.1 General system knowledge								-	-	-
7.4.7.2 Perform operational check								-	-	-
7.4.7.3 Remove and install										
7.4.7.3.1 Sense antenna								-	-	-
7.4.7.3.2 Loop antenna								-	-	-
7.4.7.4 Troubleshoot to LRUs								-	-	-
7.4.7.5 Troubleshoot to other than LRUs								-	-	-
7.4.8 Traffic Alert and Collision Avoidance System (TCAS) TR: 1C-9C-2-34-45										
7.4.8.1 General system knowledge								-	-	-
7.4.8.2 Perform operational check	*							-	-	-
7.4.8.3 Remove and install Antenna								-	-	-
7.4.8.4 Troubleshoot to LRUs	*							-	-	-
7.4.8.5 Troubleshoot to other than LRUs		*						-	-	-
7.4.9 Color Weather Radar WXR-700X TR: 1C-9C-2-34-41										

## C-9 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
7.4.9.1 General system knowledge								-	-	-
7.4.9.2 Perform operational check	*							-	-	-
7.4.9.3 Remove and install Antenna	*							-	-	-
7.4.9.4 Troubleshoot to LRUs	*							-	-	-
7.4.9.5 Troubleshoot to other than LRUs		*						-	-	-
7.4.10 Radio Altimeter ALA -51 TR: 1C-9C-2-34-37										
7.4.10.1 General system knowledge								-	-	-
7.4.10.2 Perform operational check	*							-	-	-
7.4.10.3 Troubleshoot to LRUs	*							-	-	-
7.4.10.4 Troubleshoot to other than LRUs		*						-	-	-



## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
<p>Attachment 8 - C-17 Training Requirements</p> <p>NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.</p> <p>NOTE 2: All course requirements are trained in the 3-level resident course during wartime.</p> <p>NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.</p> <p>NOTE 5: Items coded in column 4A will be trained using C-17 aircraft/systems. If C-17 aircraft/systems are unavailable, representative systems from other aircraft may be used.</p> <p>NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.</p>										
8.1 GENERAL ORGANIZATION MAINTENANCE TR: Applicable C-17 technical orders										
8.1.1 Aircraft Familiarization										
8.1.1.1 Aircraft safe for maintenance	*							-	-	-
8.1.1.2 Select/use safetying devices								-	-	-
8.1.1.3 Major structural areas								-	-	-
8.1.1.4 Major systems								-	-	-
8.2.2 Flightline safety/precautions/security								-	-	-
8.1.1.5 Operate cargo doors								-	-	-
8.1.1.6 Open/close nose radomes	*							-	-	-
8.1.1.7 Open/close tail radomes	*							-	-	-
8.1.1.8 Enter/exit vertical stabilizer								-	-	-
8.1.1.9 Enter/exit horizontal stabilizer								-	-	-
8.1.1.10 Aircraft egress procedures								-	-	-
8.1.1.11 Underfloor tunnel entry procedures (Power on/off)	*							-	-	-
8.2 GENERAL MAINTENANCE TASKS TR: Applicable C-17 Technical Orders										
8.2.1 Technical order familiarization								-	-	-
8.2.4 Dropped object prevention program (DOPP)								-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.2.5 Statically ground aircraft								-	-	-
8.2.6 Aircraft Jacking										
8.2.6.1 Jacking supervisor								-	-	-
8.2.6.2 Jacking team member								-	-	-
8.2.7 Refuel/Defuel Aircraft										
8.2.7.1 Supervisor								-	-	-
8.2.7.2 Panel operator								-	-	-
8.2.7.3 CSS supervisor								-	-	-
8.2.8 Open and close engine cowling								-	-	-
8.2.9 Remove and install aircraft maintenance access panels								-	-	-
8.2.10 Launch/recover aircraft								-	-	-
8.2.11 Perform aircraft marshaling procedures								-	-	-
8.2.12 Perform aircraft HSC								-	-	-
8.2.13 Apply power using										
8.2.13.1 APU								-	-	-
8.2.13.2 External Electrical Power Unit								-	-	-
8.1.1.12 Apply cooling air								-	-	-
8.2.14 Tow aircraft										
8.2.14.1 Wing/tail walker								-	-	-
8.2.14.2 Brake Operator								-	-	-
8.3 COMMUNICATION SYSTEMS TR: Applicable C-17 Technical Orders										
8.3.1 Integrated Radio Management System (IRMS)										
8.3.1.1 Perform operational check	*							-	-	-
8.3.1.2 Remove and install communication navigation controller								-	-	-
8.3.1.3 Upload comm. database								-	-	-

## C-17 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.1.4 Troubleshoot to LRUs	*							-	-	-
8.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
8.3.2 Flight Interphone										
8.3.2.1 General system knowledge								-	-	-
8.3.2.2 Perform operational check	*							-	-	-
8.3.2.3 Remove and install										
8.3.2.3.1 Control stick sensor assembly								-	-	-
8.3.2.3.2 Control Grip								-	-	-
8.3.2.3.3 Nose wheel tiller switch								-	-	-
8.3.2.4 Troubleshoot LRUs	*							-	-	-
8.3.2.5 Troubleshoot to other than LRUs		*						-	-	-
8.3.3 Cargo Interphone										
8.3.3.1 General system knowledge								-	-	-
8.3.3.2 Perform operational check	*							-	-	-
8.3.3.3 Troubleshoot to LRUs	*							-	-	-
8.3.3.4 Troubleshoot to other than LRUs		*						-	-	-
8.3.4 Maintenance Interphone										
8.3.4.1 General system knowledge								-	-	-
8.3.4.2 Perform system operational check								-	-	-
8.3.4.3 Troubleshoot to LRUs								-	-	-
8.3.4.4 Troubleshoot to other than LRUs								-	-	-
8.3.5 Wireless Communication and Control System AN/AIC-36										
8.3.5.1 General system knowledge								-	-	-
8.3.5.2 Perform operational check								-	-	-
8.3.5.3 Troubleshoot to LRUs								-	-	-
8.3.5.4 Troubleshoot to other than LRUs								-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.6 High Frequency (HF) Radio AN/ARC-190										
8.3.6.1 General system knowledge								-	-	-
8.3.6.2 Perform operational check								-	-	-
8.3.6.3 Remove and install										
8.3.6.3.1 Antenna								-	-	-
8.3.6.3.2 Feedline Assembly								-	-	-
8.3.6.4 Troubleshoot to LRUs								-	-	-
8.3.6.5 Troubleshoot to other than LRUs		*						-	-	-
8.3.7 Automatic Communications Processor CP-2024A/ARC-190										
8.3.7.1 General system knowledge								-	-	-
8.3.7.2 Perform operational check	*							-	-	-
8.3.7.3 Troubleshoot to LRUs	*							-	-	-
8.3.7.4 Troubleshoot to other than LRUs								-	-	-
8.3.8 Very High Frequency (VHF) AM/FM Radio AN/ARC-186										
8.3.8.1 General system knowledge								-	-	-
8.3.8.2 Perform operational check								-	-	-
8.3.8.3 Remove and install Logic Unit								-	-	-
8.3.8.4 Troubleshoot to LRUs								-	-	-
8.3.8.5 Troubleshoot to other than LRUs		*						-	-	-
8.3.9 Ultra High Frequency (UHF) Radio System AN/ARC-164										
8.3.9.1 General system knowledge								-	-	-
8.3.9.2 Perform operational check	*							-	-	-
8.3.9.3 Troubleshoot to LRUs	*							-	-	-
8.3.9.4 Troubleshoot to other than LRUs		*						-	-	-
8.3.10 UHF Direction Finders (DF) DF-301E										
8.3.10.1 General system knowledge								-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.10.2 Perform operational check								-	-	-
8.3.10.3 Remove and install Antenna								-	-	-
8.3.10.4 Troubleshoot to LRUs								-	-	-
8.3.10.5 Troubleshoot to other than LRUs								-	-	-
8.3.11 Multimode Communications AN/ARC-210 TR: Applicable C-17 Technical Orders										
8.3.11.1 General system knowledge								-	-	-
8.3.11.2 Perform operational check										
8.3.11.2.1 Normal	*							-	-	-
8.3.11.2.2 Have Quick								-	-	-
8.3.11.2.3 Secure								-	-	-
8.3.11.2.4 SATCOM								-	-	-
8.3.11.3 Remove and install Switching Unit								-	-	-
8.3.11.4 Troubleshoot to LRUs	*							-	-	-
8.3.11.5 Troubleshoot to other than LRUs		*						-	-	-
8.3.12 Narrowband Secure Voice (NBSV) ANDVT TR: Applicable C-17 Technical Orders										
8.3.12.1 General system knowledge								-	-	-
8.3.12.2 Perform operational check								-	-	-
8.3.12.3 Troubleshoot to LRUs								-	-	-
8.3.12.4 Troubleshoot to other than LRUs								-	-	-
8.3.13 Cockpit Voice Recorder AN/ASH-35										
8.3.13.1 General system knowledge								-	-	-
8.3.13.2 Perform operational check	*							-	-	-
8.3.13.3 Troubleshoot to LRUs	*							-	-	-
8.3.13.4 Troubleshoot to other than LRUs		*						-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.14 Emergency Locator Transmitters (ELT) PN 3000-5										
8.3.14.1 General system knowledge								-	-	-
8.3.14.2 Perform operational check	*							-	-	-
8.3.14.3 Remove and install Battery								-	-	-
8.3.14.4 Troubleshoot to LRUs	*							-	-	-
8.3.14.5 Troubleshoot to other than LRUS		*						-	-	-
8.3.15 Underwater Acoustical Beacon (UAB) Underwater Locator Beacon DK-100										
8.3.15.1 General system knowledge								-	-	-
8.3.15.2 Perform operational check								-	-	-
8.3.15.3 Troubleshoot to LRUs								-	-	-
8.3.16 Central Aural Warning System										
8.3.16.1 General system knowledge								-	-	-
8.3.16.2 Perform operational check	*							-	-	-
8.3.16.3 Troubleshoot to LRUs	*							-	-	-
8.3.16.4 Troubleshoot to other than LRUs		*						-	-	-
8.3.17 Public Address (PA)										
8.3.17.1 General system knowledge								-	-	-
8.3.17.2 Perform operational check								-	-	-
8.3.17.3 Troubleshoot to LRUs								-	-	-
8.3.17.4 Troubleshoot to other than LRUs								-	-	-
8.3.18 Mission Computing/Electronic Display System (MC/EDS)										
8.3.18.1 General system knowledge								-	-	-
8.3.18.2 Perform operational check								-	-	-
8.3.18.3 Troubleshoot to LRUs								-	-	-
8.3.18.4 Troubleshoot to other than LRUs								-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.19 SATCOM										
8.3.19.1 AERO-I TR: 1C-17A-2-23JG-10-5, -6										
8.3.19.1.1 General system knowledge								-	-	-
8.3.19.1.2 Perform operational check								-	-	-
8.3.19.1.3 Remove and install										
8.3.19.1.3.1 Antenna								-	-	-
8.3.19.1.3.2 Aeronautical operational communication printer								-	-	-
8.3.19.1.3.3 Aircraft personality module								-	-	-
8.3.19.1.3.4 Ethernet network switch								-	-	-
8.3.19.1.4 Repair the aircraft personality module								-	-	-
8.3.19.1.5 Troubleshoot to LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-
8.3.19.1.6 Troubleshoot to other than LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-
8.3.19.2 Demand Assigned Multiple Access (DAMA)										
8.3.19.2.1 General system knowledge								-	-	-
8.3.19.2.2 Perform operational check								-	-	-
8.3.19.2.3 Troubleshoot to LRUs								-	-	-
8.3.19.2.4 Troubleshoot to other than LRUs								-	-	-
8.3.19.3 INMARSAT/AERO-H TR: 1C-17A-2-23JG-10-5, 1C-17-2-23JG-10-6										
8.3.19.3.1 General system knowledge								-	-	-
8.3.19.3.2 Perform operational check								-	-	-
8.3.19.3.3 Remove and install Antenna								-	-	-
8.3.19.3.4 Troubleshoot to LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-

## C-17 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.3.19.3.5 Troubleshoot to other than LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-
8.3.19.4 Army SATCOM										
8.3.19.4.1 General system knowledge								-	-	-
8.3.19.4.2 Perform operational check								-	-	-
8.3.19.4.3 Remove and install Army Satellite Antenna								-	-	-
8.3.19.4.4 Troubleshoot to LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-
8.3.19.4.5 Troubleshoot to other than LRUs TR: 1C-17A-2-23JG-10-6, 1C-17A-2-23FI-00-1								-	-	-
8.4 NAVIGATION SYSTEMS TR: Applicable C-17 Technical Orders										
8.4.1 Identification Friend or Foe (IFF) Transponders AR/APX-119										
8.4.1.1 General system knowledge								-	-	-
8.4.1.2 Perform operational check										
8.4.1.2.1 Perform operational check	*							-	-	-
8.4.1.2.2 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
8.4.1.2.3 Mode 4	*							-	-	-
8.4.1.2.4 Mode S	*							-	-	-
8.4.1.3 Troubleshoot to LRUs	*							-	-	-
8.4.1.4 Troubleshoot to other than LRUs		*						-	-	-
8.4.2 VHF Navigation/Precision Landing System (VOR/ILS/MB/MLS)										
8.4.2.1 General system knowledge								-	-	-
8.4.2.2 Perform operational check	*							-	-	-
8.4.2.3 Troubleshoot to LRUs	*							-	-	-
8.4.2.4 Troubleshoot to other than LRUs		*						-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.4.3 Radar Beacon (I-band)										
8.4.3.1 General system knowledge								-	-	-
8.4.3.2 Perform operational check								-	-	-
8.4.3.3 Remove and install Waveguide Assembly								-	-	-
8.4.3.4 Troubleshoot to LRUs								-	-	-
8.4.3.5 Troubleshoot to other than LRUs								-	-	-
8.4.4 Distance Measuring Equipment (DME) ARINC-709										
8.4.4.1 General system knowledge								-	-	-
8.4.4.2 Perform operational check								-	-	-
8.4.4.3 Troubleshoot to LRUs								-	-	-
8.4.4.4 Troubleshoot to other than LRUs								-	-	-
8.4.5 Tactical Air Navigation (TACAN) AN/APN-155										
8.4.5.1 General system knowledge								-	-	-
8.4.5.2 Perform operational check								-	-	-
8.4.5.3 Troubleshoot to LRUs								-	-	-
8.4.5.4 Troubleshoot to other than LRUs								-	-	-
8.4.6 Inertial Reference Unit (IRU)										
8.4.6.1 General system knowledge								-	-	-
8.4.6.2 Perform operational check	*							*-	-	-
8.4.6.3 Troubleshoot to LRUs	*							-	-	-
8.4.6.4 Troubleshoot to other than LRUs		*						-	-	-
8.4.7 Global Positioning System AN/ARN-151										
8.4.7.1 General system knowledge								-	-	-
8.4.7.2 Perform operational check								-	-	-
8.4.7.3 Secure loading								-	-	-
8.4.7.4 Remove and install								-	-	-

## C-17 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.4.7.4.1 GPS Antenna Controller								-	-	-
8.4.7.4.2 Battery								-	-	-
8.4.7.5 Troubleshoot to LRUs								-	-	-
8.4.7.6 Troubleshoot to other than LRUs								-	-	-
8.4.8 Low Frequency Automatic Direction Finder (ADF) DF-206A, AN/ARN-149										
8.4.8.1 General system knowledge								-	-	-
8.4.8.2 Perform operational check								-	-	-
8.4.8.3 Troubleshoot to LRUs								-	-	-
8.4.8.4 Troubleshoot to other than LRUs								-	-	-
8.4.9 Station Keeping Equipment (SKE) AN/APN-243										
8.4.9.1 General system knowledge								-	-	-
8.4.9.2 Perform system operational check								-	-	-
8.4.9.3 Remove and install										
8.4.9.3.1 Pedestal								-	-	-
8.4.9.3.2 OMNI Antenna								-	-	-
8.4.9.3.3 T/R Module								-	-	-
8.4.9.4 Troubleshoot to LRUs								-	-	-
8.4.9.5 Troubleshoot to other than LRUs								-	-	-
8.4.10 Traffic Alert and Collision Avoidance System (TCAS)										
8.4.10.1 General system knowledge								-	-	-
8.4.10.2 Perform operational check	*							-	-	-
8.4.10.3 Troubleshoot to LRUs	*							-	-	-
8.4.10.4 Troubleshoot to other than LRUs		*						-	-	-
8.4.11 Color Weather Radar AN/APS- 133										
8.4.11.1 General system knowledge								-	-	-

## C-17 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
8.4.11.2 Perform operational check	*							-	-	-
8.4.11.3 Remove and install										
8.4.11.3.1 Waveguide Switching Unit								-	-	-
8.4.11.3.2 Antenna								-	-	-
8.4.11.4 Troubleshoot to LRUs	*							-	-	-
8.4.11.5 Troubleshoot to other than LRUs	*							-	-	-
8.4.12 Combined Attitude Radar Altimeter AN/APN-232										
8.4.12.1 General system knowledge								-	-	-
8.4.12.2 Perform operational check	*							-	-	-
8.4.12.3 Remove and install Antenna								-	-	-
8.4.12.4 Troubleshoot to LRUs	*							-	-	-
8.4.12.5 Troubleshoot to other than LRUs		*						-	-	-
8.4.13 Drogue Video										
8.4.13.1 General system knowledge								-	-	-
8.4.13.2 Perform operational check								-	-	-
8.4.13.3 Troubleshoot to LRUs								-	-	-
8.4.13.4 Troubleshoot to other than LRUs								-	-	-
8.4.14 Aircrew Data Transfer Device (ADTD)										
8.4.14.1 General system knowledge								-	-	-
8.4.14.2 Perform operational check								-	-	-
8.4.14.3 Remove and install										
8.4.14.3.1 Printer								-	-	-
8.4.14.3.2 ADTD								-	-	-
8.4.14.3.3 Pivot Tower								-	-	-
8.4.14.4 Troubleshoot to LRUs								-	-	-
8.4.14.5 Troubleshoot to other than LRUs								-	-	-



## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

Attachment 9 - C-130 Training Requirements

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-130 aircraft/systems. If C-130 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

9.1 GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable C-130 Technical Orders										
9.1.1 Aircraft familiarization										
9.1.1.1 Aircraft safe for maintenance	*							-	-	-
9.1.1.2 Select/Use safetying devices								-	-	-
9.1.1.3 Major structural areas								-	-	-
9.1.1.4 Major systems								-	-	-
9.1.1.5 Aircraft egress procedures								-	-	-
9.2 GENERAL MAINTENANCE TASKS TR: Applicable C-130 Technical Orders										
9.2.1 Technical order familiarization								-	-	-
9.2.2 Flightline safety/precautions/security								-	-	-
9.2.3 Introduction to aircraft/airframe familiarization								-	-	-
9.2.4 Inspect/operate portable external electrical power unit								-	-	-
9.2.5 Inspect/use ground maintenance stands								-	-	-
9.2.6 Dropped object prevention program (DOPP)								-	-	-
9.2.7 Defensive systems (DS) familiarization on applicable aircraft								-	-	-
9.2.8 Statically ground aircraft								-	-	-
9.2.9 Apply/disconnect external electrical power unit	*							-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
9.2.10 Perform aircraft wash								-	-	-
9.2.11 Jack Aircraft TR: Applicable C-130 Technical Orders										
9.2.11.1 Jacking supervisor								-	-	-
9.2.11.2 Jacking team member								-	-	-
9.2.12 Perform refuel/defuel team member duties										
9.2.12.1 Refuel/Defuel supervisor								-	-	-
9.2.12.2 SPR panel operator								-	-	-
9.2.12.3 Flight deck fuel panel operator								-	-	-
9.2.13 Open and close engine cowling								-	-	-
9.2.14 Remove and install aircraft maintenance access panels								-	-	-
9.2.15 Perform aircraft marshaling procedures								-	-	-
9.2.16 Tow aircraft TR: Applicable C-130 Technical Orders										
9.2.16.1 Wing/tail walker								-	-	-
9.2.16.2 Tow supervisor								-	-	-
9.2.16.3 Brake operator								-	-	-
9.2.17 Operate Cargo Doors								-	-	-
9.2.18 Deactivate Cargo Doors								-	-	-
9.2.19 Open/close radomes	*							-	-	-
9.2.20 Recover/Launch aircraft								-	-	-
9.2.21 Perform aircraft inspections TR: Applicable C-130 Technical Orders										
9.2.21.1 Phase/periodic/ISO								-	-	-
9.2.21.2 Home Station Check (HSC)								-	-	-
9.2.21.3 Basic post-flight/pre-flight/thruflight								-	-	-
9.3 COMMUNICATION SYSTEMS										

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.3.1 Interphone AN/AIC-18A/25 TR: Applicable C-130 Technical Orders										
9.3.1.1 General system knowledge								-	-	-
9.3.1.2 Perform operational check	*							-	-	-
9.3.1.3 Remove and install Yoke microphone switch								-	-	-
9.3.1.4 Troubleshoot to LRUs	*							-	-	-
9.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
9.3.1.6 Intermediate Maintenance TR: Applicable technical data										
9.3.1.6.1 Perform minimum performance checks								-	-	-
9.3.1.6.2 Perform system alignments								-	-	-
9.3.2 Public Address AN/AIC-13 TR: Applicable C-130 Technical Orders										
9.3.2.1 General system knowledge								-	-	-
9.3.2.2 Perform operational check								-	-	-
9.3.2.3 Remove and install Loudspeaker								-	-	-
9.3.2.4 Troubleshoot to LRUs								-	-	-
9.3.2.5 Troubleshoot to other than LRUs								-	-	-
9.3.2.6 Intermediate Maintenance TR: Applicable technical data										
9.3.2.6.1 Perform minimum performance checks								-	-	-
9.3.2.6.2 Perform system alignments								-	-	-
9.3.3 High Frequency (HF) Radio AN/ARC-190 TR: Applicable C-130 Technical Orders										
9.3.3.1 General system knowledge								-	-	-
9.3.3.2 Perform operational check	*							-	-	-
9.3.3.3 Remove and install										
9.3.3.3.1 Coupler								-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.3.3.3.2 Long wire/probe/tailcone								-	-	-
9.3.3.3.3 Coupler feedline assembly								-	-	-
9.3.3.3.4 HF Mast								-	-	-
9.3.3.3.5 Lightning arrestor								-	-	-
9.3.3.4 Troubleshoot to LRUs	*							-	-	-
9.3.3.5 Troubleshoot to other than LRUs		*						-	-	-
9.3.3.6 Intermediate Maintenance TR: Applicable technical data										
9.3.3.6.1 Perform minimum performance checks								-	-	-
9.3.3.6.2 Perform system alignments								-	-	-
9.3.4 Automatic Communications Processor CP-2024A/ARC-190 TR: Applicable C-130 Technical Orders										
9.3.4.1 General system knowledge								-	-	-
9.3.4.2 Perform operational check								-	-	-
9.3.4.3 Troubleshoot to LRUs								-	-	-
9.3.4.4 Troubleshoot to other than LRUs								-	-	-
9.3.5 Very High Frequency (VHF) AM/FM Radio AN/ARC-186 TR: Applicable C-130 Technical Orders										
9.3.5.1 General system knowledge								-	-	-
9.3.5.2 Perform operational check	*							-	-	-
9.3.5.3 Troubleshoot to LRUs	*							-	-	-
9.3.5.4 Troubleshoot to other than LRUs		*						-	-	-
9.3.5.5 Intermediate Maintenance TR: Applicable technical data										
9.3.5.5.1 Perform minimum performance checks								-	-	-
9.3.5.5.2 Perform system alignments								-	-	-
9.3.6 VHF FM NONTAC AN/ARC-513 TR: Applicable C-130 Technical Orders										

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
9.3.6.1 General system knowledge								-	-	-
9.3.6.2 Perform operational check								-	-	-
9.3.6.3 Troubleshoot to LRUs								-	-	-
9.3.6.4 Troubleshoot to other than LRUs								-	-	-
9.3.7 Ultra High Frequency (UHF) Radio System AN/ARC-164(V) TR: Applicable C-130 Technical Orders										
9.3.7.1 General system knowledge								-	-	-
9.3.7.2 Perform operational check										
9.3.7.2.1 Normal								-	-	-
9.3.7.2.2 Have Quick								-	-	-
9.3.7.3 Troubleshoot to LRUs	*							-	-	-
9.3.7.4 Troubleshoot to other than LRUs		*						-	-	-
9.3.7.5 Intermediate Maintenance TR: Applicable technical data										
9.3.7.5.1 Perform minimum performance checks								-	-	-
9.3.7.5.2 Perform system alignments								-	-	-
9.3.8 Multipurpose Communications AN/ARC-210 TR: Applicable C-130 Technical Orders										
9.3.8.1 General system knowledge								-	-	-
9.3.8.2 Perform operational checks										
9.3.8.2.1 Normal	*/R							-	-	-
9.3.8.2.2 Have Quick	*/R							-	-	-
9.3.8.2.3 Secure								-	-	-
9.3.8.2.4 SATCOM								-	-	-
9.3.8.3 Troubleshoot to LRUs								-	-	-
9.3.8.4 Troubleshoot to other than LRUs		*/R						-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
9.3.9 URC-133 SATCOM Group TR: Applicable C-130 Technical Orders										
9.3.9.1 General system knowledge								-	-	-
9.3.9.2 Perform operational check	*							-	-	-
9.3.9.3 Troubleshoot to LRUs	*							-	-	-
9.3.9.4 Troubleshoot to other than LRUs		*						-	-	-
9.3.10 Satellite Communication AN/ARC-187/AN/WSC-9 TR: Applicable C-130 Technical Orders										
9.3.10.1 General system knowledge								-	-	-
9.3.10.2 Perform operational check								-	-	-
9.3.10.3 Troubleshoot to LRUs								-	-	-
9.3.10.4 Troubleshoot to other than LRUs								-	-	-
9.3.11 UHF Satellite Terminal system (USTS) TR: Applicable C-130 Technical Orders										
9.3.11.1 General system knowledge								-	-	-
9.3.11.2 Perform operational check								-	-	-
9.3.11.3 Troubleshoot to LRUs								-	-	-
9.3.11.4 Troubleshoot to other than LRUs								-	-	-
9.3.12 Cockpit Voice Recorder AN/ASH-35/A-100A TR: Applicable C-130 Technical Orders										
9.3.12.1 General system knowledge								-	-	-
9.3.12.2 Perform operational check								-	-	-
9.3.12.3 Troubleshoot to LRUs								-	-	-
9.3.12.4 Troubleshoot to other than LRUs								-	-	-
9.3.13 Emergency Locator Transmitter (ELT) PN 3000-8 TR: Applicable C-130 Technical Orders										

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.3.13.1 General system knowledge								-	-	-
9.3.13.2 Perform operational check								-	-	-
9.3.13.3 Remove and install Battery Pack								-	-	-
9.3.13.4 Troubleshoot to LRUs								-	-	-
9.3.13.5 Troubleshoot to other than LRUs								-	-	-
9.3.14 Underwater Locator/Underwater Acoustical Beacon TR: Applicable C-130 Technical Orders										
9.3.14.1 General system knowledge								-	-	-
9.3.14.2 Perform operational check								-	-	-
9.3.14.3 Remove and install Battery								-	-	-
9.3.14.4 Troubleshoot to LRUs								-	-	-
9.3.15 Cryptographic Devices TR: TM 3155-2USC-43-2, Applicable C-130 Technical Order										
9.3.15.1 Inspect	*							-	-	-
9.3.15.2 Use	*							-	-	-
9.3.15.3 Load	*							-	-	-
9.3.16 Wideband Secure Voice KY-58/KY-100 TR: Applicable C-130 Technical Orders										
9.3.16.1 General system knowledge								-	-	-
9.3.16.2 Perform operational check	*							-	-	-
9.3.16.3 Troubleshoot to LRUs	*							-	-	-
9.3.16.4 Troubleshoot to other than LRUs		*						-	-	-
9.3.16.5 Intermediate Maintenance TR: Applicable technical data										
9.3.16.5.1 Perform minimum performance checks								-	-	-
9.3.16.5.2 Perform system alignments								-	-	-
9.3.17 Narrowband Secure Voice ANDVT TR: Applicable C-130 technical orders										

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.3.17.1 General system knowledge								-	-	-
9.3.17.2 Perform operational check								-	-	-
9.3.17.3 Troubleshoot to LRUs								-	-	-
9.3.17.4 Troubleshoot to other than LRUs								-	-	-
9.4 NAVIGATION SYSTEMS										
9.4.1 Radar Identification Systems TR: Applicable C-130 Technical Orders										
9.4.1.1 General system knowledge								-	-	-
9.4.1.2 Identification Friend or Foe (IFF) Transponders AN/APX-72/64 TR: Applicable C-130 Technical Orders										
9.4.1.2.1 General system knowledge								-	-	-
9.4.1.2.2 Perform operational check										
9.4.1.2.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
9.4.1.2.2.2 Mode 4	*							-	-	-
9.4.1.2.3 Troubleshoot to LRUs	*							-	-	-
9.4.1.2.4 Troubleshoot to other than LRUs		*						-	-	-
9.4.1.2.5 Intermediate Maintenance TR: Applicable technical data										
9.4.1.2.5.1 Perform minimum performance checks								-	-	-
9.4.1.2.5.2 Perform system alignments								-	-	-
9.4.1.3 IFF Transponders AN/APX-100/AN/APX-119 TR: Applicable C-130 Technical Orders										
9.4.1.3.1 General system knowledge								-	-	-
9.4.1.3.2 Perform operational check										
9.4.1.3.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
9.4.1.3.2.2 Mode 4	*							-	-	-
9.4.1.3.2.3 Mode S	*							-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.1.3.3 Troubleshoot to LRUs	*							-	-	-
9.4.1.3.4 Troubleshoot to other than LRUs		*						-	-	-
9.4.1.3.5 Intermediate Maintenance TR: Applicable technical data										
9.4.1.3.5.1 Perform minimum performance checks								-	-	-
9.4.1.3.5.2 Perform system alignments								-	-	-
9.4.1.4 Rendezvous Interrogators AN/APX-76-65 TR: Applicable C-130 Technical Orders										
9.4.1.4.1 General system knowledge								-	-	-
9.4.1.4.2 Perform operational check								-	-	-
9.4.1.4.3 Remove and install										
9.4.1.4.3.1 APX-65 Antenna								-	-	-
9.4.1.4.3.2 APX-65 Antenna Rotator								-	-	-
9.4.1.4.3.3 APX-65 Antenna Amplifier								-	-	-
9.4.1.4.4 Troubleshoot to LRUs								-	-	-
9.4.1.4.5 Troubleshoot to other than LRUs								-	-	-
9.4.1.4.6 Perform minimum performance checks								-	-	-
9.4.2 VHF Omni Range/Instrument Landing/Marker Beacon (VOR/ILS/MB) AN/ARN-147 TR: Applicable C-130 Technical Orders										
9.4.2.1 General system knowledge								-	-	-
9.4.2.2 Perform operational check								-	-	-
9.4.2.3 Remove and install VOR Antenna								-	-	-
9.4.2.4 Troubleshoot to LRUs								-	-	-
9.4.2.5 Troubleshoot to other than LRUs								-	-	-
9.4.2.6 Intermediate Maintenance TR: 12R2-2ARN-147-2										
9.4.2.6.1 Perform minimum performance checks								-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.2.6.2 Perform system alignments								-	-	-
9.4.3 Tactical Air Navigation (TACAN) AN/ARN-118 TR: Applicable C-130 Technical Orders										
9.4.3.1 General system knowledge								-	-	-
9.4.3.2 Perform operational check								-	-	-
9.4.3.3 Troubleshoot to LRUs								-	-	-
9.4.3.4 Troubleshoot to other than LRUs								-	-	-
9.4.3.5 Intermediate Maintenance TR: 12R5-2-ARN118-2										
9.4.3.5.1 Perform minimum performance checks								-	-	-
9.4.3.5.2 Perform system alignments								-	-	-
9.4.4 Self-Contained Navigation Systems (SCNS)/Computer Aided Navigation System (CANS) TR: Applicable C-130 Technical Orders										
9.4.4.1 General system knowledge								-	-	-
9.4.4.2 Operate system	*							-	-	-
9.4.4.3 Perform operational check	*							-	-	-
9.4.4.4 Perform interface check								-	-	-
9.4.4.5 Update/load/operate software		*						-	-	-
9.4.4.6 Troubleshoot to SCNS LRUs	*							-	-	-
9.4.4.6.1 Operate Wire Harness Test Set (WHTS)								-	-	-
9.4.4.7 Troubleshoot to other than SCNS LRUs								-	-	-
9.4.4.8 Intermediate Maintenance TR: Applicable technical data										
9.4.4.8.1 Perform minimum performance checks								-	-	-
9.4.4.8.2 Perform system alignments								-	-	-
9.4.5 Inertial Navigation System (INS) TR: Applicable C-130 Technical Orders										

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.5.1 General system knowledge								-	-	-
9.4.5.2 Perform operational check	*							-	-	-
9.4.5.3 Troubleshoot to LRUs	*							-	-	-
9.4.5.4 Troubleshoot to other than LRUs		*						-	-	-
9.4.5.5 Intermediate Maintenance TR: Applicable technical data										
9.4.5.5.1 Perform minimum performance checks								-	-	-
9.4.6 Global Positioning System AN/ARN-151 TR: Applicable C-130 Technical Orders										
9.4.6.1 General system knowledge								-	-	-
9.4.6.2 Perform operational check								-	-	-
9.4.6.3 Remove and install Antenna								-	-	-
9.4.6.4 Troubleshoot to LRUs								-	-	-
9.4.6.5 Troubleshoot to other than LRUs								-	-	-
9.4.6.6 Intermediate Maintenance TR: 12R5-2ARN151 series technical data										
9.4.6.6.1 Perform Receiver Check								-	-	-
9.4.6.6.2 Perform Antenna Electronics Check								-	-	-
9.4.6.7 Perform CDU Check								-	-	-
9.4.7 Automatic Direction Finder (ADF) DF-106/206A/DFA-73 TR: Applicable C-130 Technical Orders										
9.4.7.1 General system knowledge								-	-	-
9.4.7.2 Perform operational check								-	-	-
9.4.7.3 Remove and install Sense Antenna										
9.4.7.4 Troubleshoot to LRUs								-	-	-
9.4.7.5 Troubleshoot to other than LRUs								-	-	-
9.4.7.6 Intermediate Maintenance TR: Applicable technical data										

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.7.6.1 Perform minimum performance checks								-	-	-
9.4.7.6.2 Perform system alignments								-	-	-
9.4.8 Radio Compass System AN/ARN- 6/ARA-19 TR: Applicable C-130 Technical Orders										
9.4.8.1 General system knowledge								-	-	-
9.4.8.2 Perform operational check								-	-	-
9.4.8.3 Remove and install										
9.4.8.3.1 Loop Antenna								-	-	-
9.4.8.3.2 Sense Antenna								-	-	-
9.4.8.3.3 Tuning Drive								-	-	-
9.4.8.3.4 Receiver Mount								-	-	-
9.4.8.4 Troubleshoot to LRUs								-	-	-
9.4.8.5 Troubleshoot to other than LRUs								-	-	-
9.4.8.6 Intermediate Maintenance TR: 12R2-2ARN6-2										
9.4.8.6.1 Perform minimum performance checks								-	-	-
9.4.8.6.2 Perform system alignments								-	-	-
9.4.8.6.3 Remove and install Electron Tubes								-	-	-
9.4.9 UHF Direction Finders (DF) DF-301E, AN/ARA-50/AN/ARA-25 TR: Applicable C-130 Technical Orders										
9.4.9.1 General system knowledge								-	-	-
9.4.9.2 Perform operational check								-	-	-
9.4.9.3 Troubleshoot to LRUs								-	-	-
9.4.9.4 Troubleshoot to other than LRUs								-	-	-
9.4.9.5 Intermediate Maintenance TR: Applicable technical data										
9.4.9.5.1 Perform minimum performance checks								-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.9.5.2 Perform system alignments								-	-	-
9.4.10 Doppler AN/APN-218/147 TR: Applicable C-130 Technical Orders										
9.4.10.1 General system knowledge								-	-	-
9.4.10.2 Perform operational check								-	-	-
9.4.10.3 Remove and install										
9.4.10.3.1 Doppler Velocity sensor								-	-	-
9.4.10.3.2 GSDI/GSDAI								-	-	-
9.4.10.4 Troubleshoot to LRUs								-	-	-
9.4.10.5 Troubleshoot to other than LRUs								-	-	-
9.4.10.6 Intermediate Maintenance TR: 12P5-2APN-218-2										
9.4.10.6.1 Perform minimum performance checks								-	-	-
9.4.10.6.2 Perform system alignments								-	-	-
9.4.11 Doppler Computer System AN/ASN-35 TR: Applicable C-130 Technical Orders										
9.4.11.1 General system knowledge								-	-	-
9.4.11.2 Perform operational check								-	-	-
9.4.11.3 Troubleshoot to LRUs								-	-	-
9.4.11.4 Troubleshoot to other than LRUs								-	-	-
9.4.12 Traffic Alert and Collision Avoidance System TR: Applicable C-130 technical orders										
9.4.12.1 General system knowledge								-	-	-
9.4.12.2 Perform operational check	*							-	-	-
9.4.12.3 Remove and install TA/VSI								-	-	-
9.4.12.4 Troubleshoot to LRUs								-	-	-
9.4.12.5 Troubleshoot to other than LRUs								-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.4.13 Station Keeping Equipment (SKE) AN/APN-169C(V) TR: Applicable C-130 Technical Orders										
9.4.13.1 General system knowledge								-	-	-
9.4.13.2 Perform operational check								-	-	-
9.4.13.3 Remove and install										
9.4.13.3.1 Omni directional antenna								-	-	-
9.4.13.3.2 Pedestal								-	-	-
9.4.13.3.3 Radome								-	-	-
9.4.13.4 Troubleshoot to LRUs								-	-	-
9.4.13.5 Troubleshoot to other than LRUs								-	-	-
9.4.13.6 Intermediate Maintenance TR: Applicable technical data										
9.4.13.6.1 Perform minimum performance checks								-	-	-
9.4.13.6.2 Perform system alignments								-	-	-
9.4.14 Microwave Landing System ARN-152 TR: Applicable C-130 Technical Orders										
9.4.14.1 General system knowledge								-	-	-
9.4.14.2 Perform operational check								-	-	-
9.4.14.3 Troubleshoot to LRUs								-	-	-
9.4.14.4 Troubleshoot to other than LRUs								-	-	-
9.4.15 NAV Select Panel TR: Applicable C-130 Technical Orders										
9.4.15.1 General system knowledge								-	-	-
9.4.15.2 Perform operational check								-	-	-
9.4.15.3 Troubleshoot to LRUs								-	-	-
9.4.15.4 Troubleshoot to other than LRUs								-	-	-
9.5 RADAR SYSTEMS										

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.5.1 Search and Weather Radar APN-59 TR: Applicable C-130 Technical Orders										
9.5.1.1 General system knowledge								-	-	-
9.5.1.2 Perform operational check	*							-	-	-
9.5.1.3 Remove and install										
9.5.1.3.1 Receiver/Transmitter								-	-	-
9.5.1.3.2 Antenna								-	-	-
9.5.1.3.3 Displays								-	-	-
9.5.1.3.4 Waveguides								-	-	-
9.5.1.4 Troubleshoot to LRUs	*							-	-	-
9.5.1.5 Troubleshoot to other than LRUs		*						-	-	-
9.5.1.6 Intermediate Maintenance TR: 12P5-2APN59-32										
9.5.1.6.1 Perform minimum performance checks								-	-	-
9.5.1.6.2 Perform system alignments								-	-	-
9.5.2 Radar Altimeter AN/APN-232/171 TR: Applicable C-130 Technical Orders										
9.5.2.1 General system knowledge								-	-	-
9.5.2.2 Perform operational check	*							-	-	-
9.5.2.3 Troubleshoot to LRUs	*							-	-	-
9.5.2.4 Troubleshoot to other than LRUs		*						-	-	-
9.5.2.5 Intermediate Maintenance TR: Applicable technical data										
9.5.2.5.1 Perform minimum performance checks								-	-	-
9.5.2.5.2 Perform system alignments								-	-	-
9.5.3 Low Power Color Radar AN/APN- 241 TR: Applicable C-130 Technical Orders										
9.5.3.1 General system knowledge								-	-	-
9.5.3.2 Perform operational check	*							-	-	-

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.5.3.3 Remove and install										
9.5.3.3.1 Antenna								-	-	-
9.5.3.3.2 LRM								-	-	-
9.5.3.3.3 Waveguides								-	-	-
9.5.3.4 Troubleshoot to LRUs	*							-	-	-
9.5.3.5 Troubleshoot to other than LRUs		*						-	-	-
9.5.4 Adverse Weather Aerial Delivery System APQ-175 TR: Applicable C-130 Technical Orders										
9.5.4.1 General system knowledge								-	-	-
9.5.4.2 Perform operational check								-	-	-
9.5.4.3 Remove and install										
9.5.4.3.1 X-band Receiver Transmitter								-	-	-
9.5.4.3.2 Ka Receiver Transmitter								-	-	-
9.5.4.3.3 Antenna								-	-	-
9.5.4.4 Troubleshoot to LRUs								-	-	-
9.5.4.5 Troubleshoot to other than LRUs								-	-	-
9.5.4.6 Intermediate Maintenance TR: Applicable technical data										
9.5.4.6.1 Perform minimum performance checks								-	-	-
9.5.4.6.2 Perform system alignments								-	-	-
9.5.5 Radar Pressurizing System ASQ-14 TR: Applicable C-130 Technical Orders										
9.5.5.1 General system knowledge								-	-	-
9.5.5.2 Perform operational check	*							-	-	-
9.5.5.3 Remove and install										
9.5.5.3.1 Air Compressor								-	-	-
9.5.5.3.2 Pressure switch								-	-	-

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.5.5.3.3 Dehydrator								-	-	-
9.5.5.3.4 Dehydrator Desiccant	*							-	-	-
9.5.5.4 Troubleshoot to LRUs								-	-	-
9.5.5.5 Troubleshoot to other than LRUs								-	-	-
9.5.5.6 Intermediate Maintenance TR: Applicable technical data										
9.5.5.6.1 Perform minimum performance checks								-	-	-
9.5.6 Radar Ka Pressurization TR: Applicable C-130 Technical Orders										
9.5.6.1 General system knowledge								-	-	-
9.5.6.2 Perform operational check								-	-	-
9.5.6.3 Remove and install Freon bottles								-	-	-
9.5.6.4 Troubleshoot to LRUs								-	-	-
9.5.6.5 Troubleshoot to other than LRUs								-	-	-
9.6 MISSION SYSTEMS										
9.6.1 Joint Airborne Communication Center/Command Post (JACC/CP) TR: Applicable technical data										
9.6.1.1 General system knowledge								-	-	-
9.6.1.2 Perform operational check								-	-	-
9.6.1.3 Troubleshoot to LRUs								-	-	-
9.6.1.4 Troubleshoot to other than LRUs								-	-	-
9.6.2 EC-130H Special Systems										
9.6.2.1 Selective Interphone UIC-7 TR: Applicable technical data										
9.6.2.1.1 General system knowledge								-	-	-
9.6.2.1.2 Apply special systems power								-	-	-
9.6.2.1.3 Perform operational check								-	-	-
9.6.2.1.4 Remove and install LRUs								-	-	-
9.6.2.1.5 Troubleshoot to LRUs								-	-	-

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.6.2.1.6 Troubleshoot to other than LRUs								-	-	-
9.6.2.2 Tactical Information Broadcast System (TIBS) TR: Applicable technical data										
9.6.2.2.1 General system knowledge								-	-	-
9.6.2.2.2 Perform operational check								-	-	-
9.6.2.2.3 Troubleshoot to LRUs								-	-	-
9.6.2.2.4 Troubleshoot to other than LRUs								-	-	-
9.6.2.3 Mission Radio/Interphone System TR: Applicable technical data										
9.6.2.3.1 General system knowledge								-	-	-
9.6.2.3.2 Perform operational check								-	-	-
9.6.2.3.3 Troubleshoot to LRUs								-	-	-
9.6.2.3.4 Troubleshoot to other than LRUs								-	-	-
9.6.2.4 Radar Transponder SST-181 TR: Applicable C-130 Technical Orders										
9.6.2.4.1 General system knowledge								-	-	-
9.6.2.4.2 Perform operational checks								-	-	-
9.6.2.4.3 Troubleshoot to other than LRUs								-	-	-
9.6.2.4.4 Troubleshoot to LRUs								-	-	-
9.6.3 HC/MC-130 (CSAR) Infrared Systems										
9.6.3.1 AAQ-22 FLIR TR: Applicable -2 Series Technical Orders, Manufacturer's Manuals										
9.6.3.1.1 General system knowledge								-	-	-
9.6.3.1.2 Perform operational check	*							-	-	-
9.6.3.1.3 Remove and install Turret FLIR Unit	*							-	-	-
9.6.3.1.4 Troubleshoot to LRUs	*							-	-	-
9.6.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
9.6.3.1.6 Intermediate Maintenance TR: Applicable technical data										

## C-130 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.6.3.1.6.1 Perform minimum performance checks								-	-	-
9.6.3.1.6.2 Performsystem alignments								-	-	-
9.6.3.1.6.3 Perform scan cavity evacuation								-	-	-
9.6.3.1.6.4 Leak test/purging								-	-	-
9.6.4 Forward Looking Infrared (FLIR) Imaging System AN/AAQ-36 TR: 1C-130H-2-93JG-50-5, 1C-130H-2-93FI-50-5, 1C-130(A)-6WC-14, 1C-130(A)-6WC-15										
9.6.4.1 Perform operational check	*							-	-	-
9.6.4.2 Remove and install										
9.6.4.2.1 Turret FLIR Unit (TFU)	*							-	-	-
9.6.4.2.2 FLIR Cover								-	-	-
9.6.4.2.3 Video cassette recorder (VCR)								-	-	-
9.6.4.2.4 VCR remote control								-	-	-
9.6.4.2.5 Desiccant cartridge								-	-	-
9.6.4.2.6 Central Electronics Unit (CEU)								-	-	-
9.6.4.2.7 Video Distribution Converter (VDC)								-	-	-
9.6.4.2.8 Navigator Video Display Unit (NVDU)								-	-	-
9.6.4.2.9 Central Console Video Display Unit (CCVDU)								-	-	-
9.6.4.2.10 Video Selector Panel (VSP)								-	-	-
9.6.4.2.11 Hand Control Unit (HCU)								-	-	-
9.6.4.2.12 Laser Interlock Panel								-	-	-
9.6.4.3 Clean VCR Head								-	-	-
9.6.4.4 Purge								-	-	-
9.6.4.5 Clean FLIR VDU								-	-	-
9.6.4.6. Clean FLIR Window								-	-	-
9.6.4.7 Perform Phase Inspection								-	-	-

## C-130 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
9.6.4.8 Troubleshoot to LRUs	*							-	-	-
9.6.4.9 Troubleshoot to other than LRUs	*							-	-	-
9.6.4.10 Aircraft systems integration								-	-	-
9.6.5 Lightweight Airborne Recovery System TR: Applicable C-130 Technical Orders										
9.6.5.1 General system knowledge								-	-	-
9.6.5.2 Perform operational check								-	-	-
9.6.5.3 Remove and install										
9.6.5.3.1 Receiver/Transmitter Mount								-	-	-
9.6.5.3.2 UHF Blade Antenna Set								-	-	-
9.6.5.3.3 UHF Blade Antenna Mount								-	-	-
9.6.5.3.4 Blade Antenna Phase-Matched Cable								-	-	-
9.6.5.4 Troubleshoot to LRUs								-	-	-
9.6.5.5 Troubleshoot to other than LRUs								-	-	-

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Eng Start	Eng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

Attachment 10 - C-130J Training Requirements NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C130J aircraft/systems. If C-130J aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

<b>10.1 GENERAL ORGANIZATIONAL MAINTENANCE</b> TR: Applicable C-130J Technical Orders										
10.1.1 Aircraft Familiarization								-	-	-
10.1.1.1 Aircraft safe for maintenance	*							-	-	-
10.1.1.2 Select/use safetying devices								-	-	-
10.1.1.3 Major structural areas								-	-	-
10.1.1.4 Major systems								-	-	-
10.1.1.5 Aircraft egress procedures								-	-	-
<b>10.2 GENERAL MAINTENANCE TASKS</b> TR: Applicable C-130J Technical Orders										
10.2.1 Technical order familiarization								-	-	-
10.2.2 Flightline safety/precautions/security								-	-	-
10.2.3 Introduction to aircraft/airframe familiarization								-	-	-
10.2.4 Inspect/operate portable external electrical power unit								-	-	-
10.2.5 Inspect/use ground maintenance stands								-	-	-
10.2.6 Dropped object prevention program (DOPP)								-	-	-
10.2.7 Defensive systems (DS) familiarization on applicable aircraft								-	-	-
10.2.8 Statically ground aircraft								-	-	-
10.2.9 Apply/disconnect external electrical power unit	*							-	-	-

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.2.10 Perform aircraft wash								-	-	-
10.2.11 Operate Portable Maintenance Aide (PMA)	*							-	-	-
10.2.12 Jack aircraft										
10.2.12.1 Jacking supervisor								-	-	-
10.2.12.2 Jacking team member								-	-	-
10.2.13 Perform refuel/defuel team member duties								-	-	-
10.2.14 Open and close engine cowling								-	-	-
10.2.15 Remove and install aircraft maintenance access panels								-	-	-
10.2.16 Perform aircraft marshalling procedures								-	-	-
10.2.17 Tow aircraft TR: Applicable C-130J Technical Orders										
10.2.17.1 Wing/tail walker duties								-	-	-
10.2.17.2 Brake operator								-	-	-
10.2.18 Operate cargo doors								-	-	-
10.2.19 Deactivate cargo doors								-	-	-
10.2.20 Open/close radomes	*							-	-	-
10.2.21 Recover/Launch aircraft								-	-	-
10.2.22 Perform aircraft inspections TR: Applicable C-130J Technical Orders										
10.2.22.1 Phase/periodic/ISO								-	-	-
10.2.22.2 Home Station Check (HSC)								-	-	-
10.2.22.3 Basic post-flight/pre-flight/thruflight								-	-	-
10.2.23 Apply power TR: Applicable C-130J Technical Orders										
10.2.23.1 APU								-	-	-
10.2.23.2 Generator/Powered AGE								-	-	-
10.3 COMMUNICATION SYSTEMS										

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.3.1 Audio Integration System (Intercom) TR: Applicable C-130J Technical Orders										
10.3.1.1 General system knowledge								-	-	-
10.3.1.2 Perform operational check	*							-	-	-
10.3.1.3 Remove and install LRUs	*							-	-	-
10.3.1.4 Troubleshoot to LRUs	*							-	-	-
10.3.1.5 Troubleshoot to other than LRUs								-	-	-
10.3.2 Public Address System TR: Applicable C-130J Technical Orders										
10.3.2.1 General system knowledge								-	-	-
10.3.2.2 Perform operational check								-	-	-
10.3.2.3 Remove and install LRUs								-	-	-
10.3.2.4 Troubleshoot to LRUs								-	-	-
10.3.2.5 Troubleshoot to other than LRUs								-	-	-
10.3.3 High Frequency (HF) Radio AN/ARC-190 TR: Applicable C-130J Technical Orders										
10.3.3.1 General system knowledge								-	-	-
10.3.3.2 Perform operational check	*							-	-	-
10.3.3.3 Remove and install LRUs	*							-	-	-
10.3.3.4 Troubleshoot to LRUs	*							-	-	-
10.3.3.5 Troubleshoot to other than LRUs								-	-	-
10.3.3.6 Intermediate Maintenance										
10.3.3.6.1 Perform minimum performance checks								-	-	-
10.3.3.6.2 Perform system alignments								-	-	-
10.3.4 Very High Frequency (VHF) AM/FM Radio AN/ARC-222 TR: Applicable C-130 Technical Orders										

## C-130J TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.3.4.1 General system knowledge								-	-	-
10.3.4.2 Perform operational check	*							-	-	-
10.3.4.3 Remove and install LRUs	*							-	-	-
10.3.4.4 Troubleshoot to LRUs	*							-	-	-
10.3.4.5 Troubleshoot to other than LRUs								-	-	-
10.3.4.6 Intermediate Maintenance										
10.3.4.6.1 Perform minimum performance checks								-	-	-
10.3.4.6.2 Perform system alignments								-	-	-
10.3.5 Ultra High Frequency (UHF) Radio System AN/ARC-164 TR: Applicable C-130J Technical Orders										
10.3.5.1 General system knowledge								-	-	-
10.3.5.2 Perform operational check	*							-	-	-
10.3.5.3 Remove and install LRUs	*							-	-	-
10.3.5.4 Troubleshoot to LRUs	*							-	-	-
10.3.5.5 Troubleshoot to other than LRUs								-	-	-
10.3.5.6 Intermediate Maintenance										
10.3.5.6.1 Perform minimum performance checks								-	-	-
10.3.5.6.2 Perform system alignment								-	-	-
10.3.6 VHF/UHF Get Home Control Panel System TR: Applicable C-130J Technical Orders										
10.3.6.1 General system knowledge								-	-	-
10.3.6.2 Perform operational check	*							-	-	-
10.3.6.3 Remove and install LRUs	*							-	-	-
10.3.6.4 Troubleshoot to LRUs	*							-	-	-
10.3.6.5 Troubleshoot to other than LRUs								-	-	-
10.3.7 UHF Satellite Terminal System (USTS)										

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.3.7.1 General system knowledge								-	-	-
10.3.7.2 Perform operational check								-	-	-
10.3.7.3 Troubleshoot to LRUs								-	-	-
10.3.7.4 Troubleshoot to other than LRUs								-	-	-
10.3.8 Cockpit Voice Recorder TR: Applicable C-130J Technical Orders										
10.3.8.1 General system knowledge								-	-	-
10.3.8.2 Perform operational check	*							-	-	-
10.3.8.3 Remove and install LRUs	*							-	-	-
10.3.8.4 Troubleshoot to LRUs	*							-	-	-
10.3.8.5 Troubleshoot to other than LRUs								-	-	-
10.3.9 Emergency Locator Transmitter (ELT)										
10.3.9.1 General system knowledge								-	-	-
10.3.9.2 Perform operational check								-	-	-
10.3.9.3 Remove and install LRUs								-	-	-
10.3.9.4 Troubleshoot to LRUs								-	-	-
10.3.9.5 Troubleshoot to other than LRUs								-	-	-
10.3.10 Underwater Locator/Underwater Acoustical Beacon TR: Applicable C-130J Technical Orders										
10.3.10.1 General system knowledge								-	-	-
10.3.10.2 Perform operational check								-	-	-
10.3.10.3 Remove and install Battery								-	-	-
10.3.10.4 Troubleshoot to LRUs								-	-	-
10.3.10.5 Troubleshoot to other than LRUs								-	-	-
10.3.11 Cryptographic Devices TR: Applicable C-130J Technical Orders										
10.3.11.1 Inspect								-	-	-

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.3.11.2 Use								-	-	-
10.3.11.3 Load								-	-	-
10.3.12 Wideband Secure Voice KY-58 TR: Applicable C-130J Technical Orders										
10.3.12.1 General system knowledge								-	-	-
10.3.12.2 Perform operational check	*							-	-	-
10.3.12.3 Remove and install LRUs								-	-	-
10.3.12.4 Troubleshoot to LRUs								-	-	-
10.3.12.5 Troubleshoot to other than LRUs								-	-	-
10.3.12.6 Intermediate Maintenance										
10.3.12.6.1 Perform minimum performance checks								-	-	-
10.3.12.6.2 Perform system alignment								-	-	-
10.3.13 Narrowband Secure Voice ANDVT TR: Applicable C-130J Technical Orders										
10.3.13.1 General system knowledge								-	-	-
10.3.13.2 Perform operational check	*							-	-	-
10.3.13.3 Remove and install LRUs								-	-	-
10.3.13.4 Troubleshoot to LRUs								-	-	-
10.3.13.5 Troubleshoot to other than LRUs								-	-	-
10.3.14 Multipurpose Communications AN/ARC-210 TR: Applicable C-130J Technical Orders										
10.3.14.1 General system knowledge								-	-	-
10.3.14.2 Perform operational check										
10.3.14.2.1 Normal	*							-	-	-
10.3.14.2.2 Have Quick	*							-	-	-
10.3.14.2.3 Secure								-	-	-

## C-130J TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.3.14.2.4 SATCOM								-	-	-
10.3.14.3 Troubleshoot to LRUs	*							-	-	-
10.3.14.4 Troubleshoot to other than LRUs								-	-	-
10.4 NAVIGATION SYSTEM										
10.4.1 Identification Friend or Foe (IFF) Transponders AN/APX-119 TR: Applicable C-130J Technical Orders										
10.4.1.1 General system knowledge								-	-	-
10.4.1.2 Perform operational check										
10.4.1.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
10.4.1.2.2 Mode 4	*							-	-	-
10.4.1.2.3 Mode S	*							-	-	-
10.4.1.3 Remove and install LRUs	*							-	-	-
10.4.1.4 Troubleshoot to LRUs	*							-	-	-
10.4.1.5 Troubleshoot to other than LRUs								-	-	-
10.4.1.5.1 Intermediate Maintenance TR: Applicable technical data										
10.4.1.5.1.1 Perform system alignments								-	-	-
10.4.1.5.1.2 Perform minimum performance checks								-	-	-
10.4.2 Enhanced Traffic Collision Avoidance System (ETCAS) AN/APN-244 TR: Applicable C-130J Technical Orders										
10.4.2.1 General system knowledge								-	-	-
10.4.2.2 Perform operational check								-	-	-
10.4.2.3 Remove and install LRUs								-	-	-
10.4.2.4 Troubleshoot to LRUs								-	-	-
10.4.2.5 Troubleshoot to other than LRUs								-	-	-

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.4.3 VHF Navigation System AN/ARN-147 TR: Applicable C-130J Technical Orders										
10.4.3.1 General system knowledge								-	-	-
10.4.3.2 Perform operational check								-	-	-
10.4.3.3 Remove and install LRUs								-	-	-
10.4.3.4 Troubleshoot to LRUs								-	-	-
10.4.3.5 Troubleshoot to other than LRUs								-	-	-
10.4.3.6 Intermediate Maintenance										
10.4.3.6.1 Perform minimum performance checks								-	-	-
10.4.3.6.2 Perform system alignments								-	-	-
10.4.4 Tactical Air Navigation (TACAN) AN/ARN-153 TR: Applicable CI-130J Technical Orders										
10.4.4.1 General system knowledge								-	-	-
10.4.4.2 Perform operational check								-	-	-
10.4.4.3 Remove and install LRUs								-	-	-
10.4.4.4 Troubleshoot to LRUs								-	-	-
10.4.4.5 Troubleshoot to other than LRUs								-	-	-
10.4.5 Embedded GPS/INS System (EGI) TR: Applicable C-130J Technical Orders										
10.4.5.1 General system knowledge								-	-	-
10.4.5.2 Perform operational check	*							-	-	-
10.4.5.3 Remove and install LRUs	*							-	-	-
10.4.5.4 Troubleshoot to LRUs								-	-	-
10.4.5.5 Troubleshoot to other than LRUs								-	-	-
10.4.6 Automatic Direction Finder (ADF) DF-206A TR: Applicable C-130J Technical Orders										

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
10.4.6.1 General system knowledge								-	-	-
10.4.6.2 Perform operational check								-	-	-
10.4.6.3 Remove and install LRUs								-	-	-
10.4.6.4 Troubleshoot to LRUs								-	-	-
10.4.6.5 Troubleshoot to other than LRUs								-	-	-
10.4.6.6 Intermediate Maintenance TR: Applicable technical data										
10.4.6.6.1 Perform system alignments								-	-	-
10.4.6.6.2 Perform minimum performance checks								-	-	-
10.4.7 UHF/VHF Direction Finders (DF) DF-301E TR: Applicable C-130J Technical Orders										
10.4.7.1 General system knowledge								-	-	-
10.4.7.2 Perform operational check								-	-	-
10.4.7.3 Remove and install LRUs								-	-	-
10.4.7.4 Troubleshoot to LRUs								-	-	-
10.4.7.5 Troubleshoot to other than LRUs								-	-	-
10.4.7.6 Intermediate Maintenance TR: Applicable technical data										
10.4.7.6.1 Perform minimum performance checks								-	-	-
10.4.7.6.2 Perform system alignments								-	-	-
10.4.8 Station Keeping Equipment SKE-2000 TR: Applicable C-130J Technical Orders										
10.4.8.1 General system knowledge								-	-	-
10.4.8.2 Perform operational check								-	-	-
10.4.8.3 Remove and install LRUs								-	-	-
10.4.8.4 Troubleshoot to LRUs								-	-	-
10.4.8.5 Troubleshoot to other than LRUs								-	-	-
10.4.9 Low Power Color Radar AN/APN-241										

## C-130J TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.4.9.1 General system knowledge								-	-	-
10.4.9.2 Perform operational check	*							-	-	-
10.4.9.3 Remove and install LRUs	*							-	-	-
10.4.9.4 Troubleshoot to LRUs								-	-	-
10.4.9.5 Troubleshoot to other than LRUs								-	-	-
10.4.10 Cursor Control Panel System TR: Applicable C-130J technical orders										
10.4.10.1 General system knowledge								-	-	-
10.4.10.2 Perform operational check								-	-	-
10.4.10.3 Remove and install LRUs								-	-	-
10.4.10.4 Troubleshoot to LRUs								-	-	-
10.4.10.5 Troubleshoot to other than LRUs								-	-	-
10.4.11 Doppler Navigation System AN/APN-218 TR: Applicable C-130J technical orders										
10.4.11.1 General system knowledge								-	-	-
10.4.11.2 Perform operational check								-	-	-
10.4.11.3 Remove and install LRUs								-	-	-
10.4.11.4 Troubleshoot to LRUs								-	-	-
10.4.11.5 Troubleshoot to other than LRUs								-	-	-
10.4.12 Radar Altimeter (RADALT) HG-9550										
10.4.12.1 General system knowledge								-	-	-
10.4.12.2 Perform operational check	*							-	-	-
10.4.12.3 Remove and install LRUs								-	-	-
10.4.12.4 Troubleshoot to LRUs								-	-	-
10.4.12.5 Troubleshoot to other than LRUs								-	-	-
10.5 INTEGRATION AND DISPLAY SYSTEMS										

## C-130J TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
10.5.1 Communication/Navigation Breaker Panel System (CNBP) TR: Applicable C-130J Technical Orders										
10.5.1.1 General system knowledge								-	-	-
10.5.1.2 Perform operational check	*							-	-	-
10.5.1.3 Remove and install LRUs	*							-	-	-
10.5.1.4 Troubleshoot to LRUs	*							-	-	-
10.5.1.5 Troubleshoot to other than LRUs								-	-	-
10.5.2 Communication/Navigation Identification Management System (CNIMS) TR: Applicable C-130J Technical Orders										
10.5.2.1 General system knowledge								-	-	-
10.5.2.2 Perform operational checks	*							-	-	-
10.5.2.3 Remove and install LRUs	*							-	-	-
10.5.2.4 Troubleshoot to LRUs	*							-	-	-
10.5.2.5 Update/load/operate Software	*							-	-	-
10.5.3 Digital Mapping System TR: Applicable C-130J Technical Orders										
10.5.3.1 General system knowledge								-	-	-
10.5.3.2 Perform operational check								-	-	-
10.5.3.3 Remove and install LRUs								-	-	-
10.5.3.4 Troubleshoot to LRUs								-	-	-
10.5.3.5 Troubleshoot to other than LRUs								-	-	-



## KC-10 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

<p>Attachment 11 - KC-10 Training Requirements</p> <p>NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.</p> <p>NOTE 2: All course requirements are trained in the 3-level resident course during wartime.</p> <p>NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.</p> <p>NOTE 5: Items coded in column 4A will be trained using KC-10 aircraft/systems. If KC-10 aircraft/systems are unavailable, representative systems from other aircraft may be used.</p> <p>NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.</p>										
<b>11.1 GENERAL ORGANIZATIONAL MAINTENANCE</b>										
11.1.1 Aircraft familiarization										
11.1.1.1 Aircraft safe for maintenance										
11.1.1.2 Static grounding										
11.1.1.3 Select/use safetying devices										
11.1.1.4 Major structural areas										
11.1.1.5 Remove and install maintenance panels										
11.1.1.6 Operate cargo doors										
11.1.1.7 Open/close radomes										
11.1.1.8 Aircraft egress procedures										
11.1.1.9 Underfloor entry procedures										
11.1.1.9.1 Power on										
11.1.1.9.2 Power off										
11.1.1.10 Launch/recover aircraft										
<b>11.2 GENERAL MAINTENANCE TASKS</b>										
11.2.1 Technical order familiarization										
11.2.2 Flightline safety/precautions/security										
11.2.3 Introduction to aircraft/airframe familiarization										
11.2.4 Inspect/operate portable external electrical power unit										

## KC-10 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.2.5 Inspect/use ground maintenance stands								-	-	-
11.2.6 Dropped object prevention program (DOPP)								-	-	-
11.2.7 Defensive systems (DS) familiarization (on applicable aircraft)								-	-	-
11.2.8 Statically ground aircraft								-	-	-
11.2.9 Apply/disconnect external electrical power unit								-	-	-
11.2.10 Perform aircraft wash								-	-	-
11.2.11 Jack Aircraft										
11.2.11.1 Jacking supervisor								-	-	-
11.2.11.2 Jacking team member								-	-	-
11.2.12 Perform refuel/defuel team member duties								-	-	-
11.2.13 Open and close engine cowling								-	-	-
11.2.14 Remove and install aircraft maintenance access panels								-	-	-
11.2.15 Use aircraft Interphone system								-	-	-
11.2.16 Perform aircraft marshaling procedures								-	-	-
11.2.17 Tow aircraft										
11.2.17.1 Wing/tail walker duties								-	-	-
11.2.17.2 Brake Operator								-	-	-
11.2.17.3 Team communications								-	-	-
11.2.18 Perform aircraft A1, A2, C inspections								-	-	-
11.2.19 Apply power using										
11.2.19.1 APU								-	-	-
11.2.19.2 Generator set								-	-	-
11.3 COMMUNICATION SYSTEMS										
11.3.1 Standard Audio Integrating System										
11.3.1.1 General system knowledge								-	-	-

## KC-10 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.3.1.2 Perform operational check								-	-	-
11.3.1.3 Remove and install LRUs								-	-	-
11.3.1.4 Troubleshoot to LRUs								-	-	-
11.3.1.5 Troubleshoot to other than LRUs								-	-	-
11.3.2 Service Interphone										
11.3.2.1 General system knowledge								-	-	-
11.3.2.2 Perform operational check	*							-	-	-
11.3.2.3 Troubleshoot to LRUs	*							-	-	-
11.3.2.4 Troubleshoot to other than LRUs								-	-	-
11.3.3 Refueling Boom Voice Channel System										
11.3.3.1 General system knowledge								-	-	-
11.3.3.2 Perform operational check								-	-	-
11.3.3.3 Remove and install Boom Voice Coil								-	-	-
11.3.3.4 Troubleshoot to LRUs								-	-	-
11.3.3.5 Troubleshoot to other than LRUs								-	-	-
11.3.4 Universal Air Refueling Receiver Slipway Interphone (UARRSI)										
11.3.4.1 General system knowledge								-	-	-
11.3.4.2 Perform operational check	*							-	-	-
11.3.4.3 Remove and install										
11.3.4.3.1 Voice Channel Amplifier	*							-	-	-
11.3.4.3.2 Voice Coil	*							-	-	-
11.3.4.4 Troubleshoot to LRUs	*							-	-	-
11.3.4.5 Troubleshoot to other than LRUs								-	-	-
11.3.5 Passenger Address Collins 346D-2/2B										
11.3.5.1 General system knowledge								-	-	-
11.3.5.2 Perform operational check								-	-	-

## KC-10 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.3.5.3 Troubleshoot to LRUs								-	-	-
11.3.5.4 Troubleshoot to other than LRUs								-	-	-
11.3.6 High Frequency (HF) Radio AN/ARC-190(V) Automatic Communications Processor										
11.3.6.1 General system knowledge								-	-	-
11.3.6.2 Perform operational check	*							-	-	-
11.3.6.3 Remove and install										
11.3.6.3.1 Antenna Adapter Bellows								-	-	-
11.3.6.3.2 Antenna								-	-	-
11.3.6.4 Update/operate software upload								-	-	-
11.3.6.5 Troubleshoot to LRUs	*							-	-	-
11.3.6.6 Troubleshoot to other than LRUs								-	-	-
11.3.7 Very High Frequency (VHF) AM Radio 618M-5A										-
11.3.7.1 General system knowledge								-	-	-
11.3.7.2 Perform operational check								-	-	-
11.3.7.3 Remove and install UHF2/VHF Antennas								-	-	-
11.3.7.4 Troubleshoot to LRUs								-	-	-
11.3.7.5 Troubleshoot to other than LRUs								-	-	-
11.3.8 Ultra High Frequency (UHF) Radio System AN/ARC-164										
11.3.8.1 General system knowledge								-	-	-
11.3.8.2 Perform operational check								-	-	-
11.3.8.2.1 Normal	*							-	-	-
11.3.8.2.2 Have Quick	*							-	-	-
11.3.8.3 Troubleshoot to LRUs	*							-	-	-
11.3.8.4 Troubleshoot to other than LRUs								-	-	-
11.3.9 Ultra High Frequency (UHF) Radio System AN/ARC-171										

## KC-10 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
11.3.9.1 General system knowledge								-	-	-
11.3.9.2 Perform operational check								-	-	-
11.3.9.3 Troubleshoot to LRUs								-	-	-
11.3.9.4 Troubleshoot to other than LRUs								-	-	-
11.3.10 International Maritime Satellite System (INMARSAT-C)										
11.3.10.1 General system knowledge								-	-	-
11.3.10.2 Perform operational check								-	-	-
11.3.10.3 Remove and install Antenna								-	-	-
11.3.10.4 Troubleshoot to LRUs								-	-	-
11.3.10.5 Troubleshoot to other than LRUs								-	-	-
11.3.11 L-Band Aero-C SATCOM										
11.3.11.1 General system knowledge								-	-	-
11.3.11.2 Perform operational check								-	-	-
11.3.11.3 Troubleshoot to LRUs								-	-	-
11.3.11.4 Troubleshoot to other than LRUs								-	-	-
11.3.12 Static Discharging and Lightning Diverting/Arrestors										
11.3.12.1 General system knowledge								-	-	-
11.3.12.2 Perform Ohms check								-	-	-
11.3.13 Cryptographic Devices TR: TM 3155-2USC-43-2, applicable C-141 technical orders										
11.3.13.1 Inspect								-	-	-
11.3.13.2 Use								-	-	-
11.3.13.3 Load								-	-	-
11.3.14 Secure Voice KY-58										
11.3.14.1 General system knowledge								-	-	-
11.3.14.2 Perform operational check	*							-	-	-

## KC-10 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.3.14.3 Troubleshoot to LRUs								-	-	-
11.3.14.4 Troubleshoot to other than LRUs								-	-	-
11.3.15 Cockpit Voice Recorder Fairchild A -100										
11.3.15.1 General system knowledge								-	-	-
11.3.15.2 Perform operational check								-	-	-
11.3.15.3 Troubleshoot to LRUs								-	-	-
11.3.15.4 Troubleshoot to other than LRUs								-	-	-
11.3.16 Emergency Locator Transmitter (ELD) RLB-9(3)										
11.3.16.1 General system knowledge								-	-	-
11.3.16.2 Perform operational check								-	-	-
11.3.16.3 Remove and install Battery								-	-	-
11.3.16.4 Troubleshoot to LRUs								-	-	-
11.3.16.5 Troubleshoot to other than LRUs								-	-	-
11.4 NAVIGATION SYSTEMS										
11.4.1 Identification Friend or Foe (IFF) Transponders AN/APX-119(V)										
11.4.1.1 General system knowledge								-	-	-
11.4.1.2 Perform operational check										
11.4.1.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
11.4.1.2.2 Mode 4	*							-	-	-
11.4.1.3 Remove and install Antenna								-	-	-
11.4.1.4 Troubleshoot to LRUs	*							-	-	-
11.4.1.5 Troubleshoot to other than LRUs		*						-	-	-
11.4.2 IFF Transponders APX-100/ Traffic Alert and Collision Avoidance Systems										
11.4.2.1 General system knowledge								-	-	-
11.4.2.2 Perform operational checks										

## KC-10 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.4.2.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
11.4.2.2.2 Mode 4	*							-	-	-
11.4.2.2.3 Mode S	*							-	-	-
11.4.2.3 Remove and install Antenna								-	-	-
11.4.2.4 Troubleshoot to LRUs	*							-	-	-
11.4.2.5 Troubleshoot to other than LRUs		*						-	-	-
11.4.3 Beacon Transponders System I/J-Band										
11.4.3.1 General system knowledge								-	-	-
11.4.3.2 Perform operational check								-	-	-
11.4.3.3 Remove and install										
11.4.3.3.1 I-band Antenna								-	-	-
11.4.3.3.2 J-band Antenna								-	-	-
11.4.3.3.3 I-band Waveguide Assembly								-	-	-
11.4.3.3.4 J-band Waveguide Assembly								-	-	-
11.4.3.3.5 Desiccant								-	-	-
11.4.3.4 Troubleshoot to LRUs								-	-	-
11.4.3.5 Troubleshoot to other than LRUs								-	-	-
11.4.4 VHF Navigation System VOR/LOC Collins 51RV-4B										
11.4.4.1 General system knowledge								-	-	-
11.4.4.2 Perform operational check								-	-	-
11.4.4.3 Remove and install										
11.4.4.3.1 VOR/LOC Antenna								-	-	-
11.4.4.3.2 VOR/LOC Coupler								-	-	-
11.4.4.3.3 VOR/LOC hybrid coupler								-	-	-
11.4.4.4 Troubleshoot to LRUs								-	-	-
11.4.4.5 Troubleshoot to other than LRUs								-	-	-

## KC-10 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.4.5 Instrument Landing System (ILS)										
11.4.5.1 General system knowledge								-	-	-
11.4.5.2 Perform operational check								-	-	-
11.4.5.3 Remove and install Sense Antenna								-	-	-
11.4.5.4 Troubleshoot to LRUs								-	-	-
11.4.5.5 Troubleshoot to other than LRUs								-	-	-
11.4.6 Tactical Air Navigation (TACAN I) AN/ARN-118										
11.4.6.1 General system knowledge								-	-	-
11.4.6.2 Perform operational check	*							-	-	-
11.4.6.3 Troubleshoot to LRUs	*							-	-	-
11.4.6.4 Troubleshoot to other than LRUs								-	-	-
11.4.7 Tactical Air Navigation (TACAN II) AN/ARN-139										
11.4.7.1 General system knowledge								-	-	-
11.4.7.2 Perform operational check								-	-	-
11.4.7.3 Remove and install Rotating Antenna								-	-	-
11.4.7.4 Troubleshoot to LRUs								-	-	-
11.4.7.5 Troubleshoot to other than LRUs								-	-	-
11.4.8 Inertial Navigation System Litton LTN-72R										
11.4.8.1 General system knowledge								-	-	-
11.4.8.2 Perform operational checks	*							-	-	-
11.4.8.3 Troubleshoot to LRUs	*							-	-	-
11.4.8.4 Troubleshoot to other than LRUs								-	-	-
11.4.9 Flight Management System FMS-800/Global Positioning System										
11.4.9.1 General system knowledge								-	-	-
11.4.9.2 Perform operational check on GPS								-	-	-
11.4.9.3 Remove and install Control Display Unit Battery								-	-	-

## KC-10 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
11.4.9.4 Troubleshoot to LRUs								-	-	-
11.4.9.5 Troubleshoot to other than LRUs								-	-	-
11.4.10 UHF Direction Finders (DF) DF-301E										
11.4.10.1 General system knowledge								-	-	-
11.4.10.2 Perform operational check								-	-	-
11.4.10.3 Remove and install Antenna								-	-	-
11.4.10.4 Troubleshoot to LRUs								-	-	-
11.4.10.5 Troubleshoot to other than LRUs								-	-	-
11.5 RADAR										
11.5.1 Color Weather Radar APS-133										
11.5.1.1 General system knowledge								-	-	-
11.5.1.2 Perform operational check	*							-	-	-
11.5.1.3 Remove and install Waveguide Switch								-	-	-
11.5.1.4 Troubleshoot to LRUs								-	-	-
11.5.1.5 Troubleshoot to other than LRUs								-	-	-
11.5.2 Radio Altimeter Bendix ALA -51A										
11.5.2.1 General system knowledge								-	-	-
11.5.2.2 Perform operational check	*							-	-	-
11.5.2.3 Remove and install Antenna								-	-	-
11.5.2.4 Troubleshoot to LRUs	*							-	-	-
11.5.2.5 Troubleshoot to other than LRUs								-	-	-



## KC-135 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

**Attachment 12 - KC-135 Training Requirements**

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using KC-135 aircraft/systems. If KC-135 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

<b>12.1 GENERAL ORGANIZATION MAINTENANCE</b>										
12.1.1 Introduction to aircraft/airframe familiarization	*							-	-	-
12.1.2 Technical order familiarization								-	-	-
12.1.3 Flightline safety/precautions/security								-	-	-
12.1.4 Dropped Object Prevention Program (DOPP)								-	-	-
12.1.5 Aircraft egress procedures								-	-	-
12.1.6 Fire Suppression System (FSS)								-	-	-
<b>12.2 GENERAL MAINTENANCE TASKS</b>										
12.2.1 Aircraft safe for maintenance	*							-	-	-
12.2.2 Statically ground aircraft								-	-	-
12.2.3 Select/use safetying devices								-	-	-
12.2.4 Apply/Disconnect external electrical power unit	*							-	-	-
12.2.5 Operate crew entrance door								-	-	-
12.2.6 Operate cargo doors								-	-	-
12.2.7 Open/close radome	*							-	-	-
12.2.8 Remove and install maintenance panels								-	-	-
12.2.9 Open and close engine cowling								-	-	-
12.2.10 Perform aircraft marshalling								-	-	-
12.2.11 Launch aircraft								-	-	-

## KC-135 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.2.12 Recover aircraft								-	-	-
12.2.13 Perform refuel/defuel team member duties								-	-	-
12.2.14 Perform aircraft wash								-	-	-
12.2.15 Jacking team member								-	-	-
12.2.16 Tow aircraft										
12.2.16.1 Perform wing/tail walker duties								-	-	-
12.2.16.2 Brake Operator								-	-	-
12.2.17 De-ice aircraft								-	-	-
12.2.18 Perform ISO inspections								-	-	-
12.3 COMMUNICATION SYSTEMS										
12.3.1 Airborne Digital Interphone System (ADIS)										
12.3.1.1 General system knowledge								-	-	-
12.3.1.2 Perform operational check	*							-	-	-
12.3.1.3 Remove and install system LRUs	*							-	-	-
12.3.1.4 Troubleshoot to LRUs		*						-	-	-
12.3.1.5 Troubleshoot to other than LRUs								-	-	-
12.3.2 In-flight Refuel Interphone										
12.3.2.1 General system knowledge								-	-	-
12.3.2.2 Perform operational check								-	-	-
12.3.2.3 Troubleshoot to LRUs								-	-	-
12.3.2.4 Troubleshoot to other than LRUs								-	-	-
12.3.3 High Frequency (HF) Radio AN/ARC-190 Automatic Communications Processor										
12.3.3.1 General system knowledge								-	-	-
12.3.3.2 Perform operational check	*							-	-	-
12.3.3.3 Remove and install										

## KC-135 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.3.3.3.1 Mast								-	-	-
12.3.3.3.2 Longwire								-	-	-
12.3.3.3.3 Probe Antenna								-	-	-
12.3.3.4 Troubleshoot to LRUs		*						-	-	-
12.3.3.5 Troubleshoot to other than LRUs								-	-	-
12.3.4 Ultra High Frequency (UHF) Radio System AN/ARC-164										
12.3.4.1 General system knowledge								-	-	-
12.3.4.2 Perform operational check										
12.3.4.2.1 Normal	*							-	-	-
12.3.4.2.2 Have Quick	*							-	-	-
12.3.4.3 Remove and install system LRUs	*							-	-	-
12.3.4.4 Troubleshoot to LRUs		*						-	-	-
12.3.4.5 Troubleshoot to other than LRUs								-	-	-
12.3.5 UHF Direction Finders (DF) ARA-25										
12.3.5.1 General system knowledge								-	-	-
12.3.5.2 Perform operational check								-	-	-
12.3.5.3 Remove and install system LRUs								-	-	-
12.3.5.4 Troubleshoot to LRUs								-	-	-
12.3.5.5 Troubleshoot to other than LRUs								-	-	-
12.3.6 Multipurpose Communications AN/ARC-210										
12.3.6.1 General system knowledge								-	-	-
12.3.6.2 Perform operational check										
12.3.6.2.1 Normal	*							-	-	-
12.3.6.2.2 Have Quick	*							-	-	-
12.3.6.2.3 Secure	*							-	-	-
12.3.6.2.4 SATCOM								-	-	-

## KC-135 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.3.6.3 Load system software								-	-	-
12.3.6.4 Remove and install system LRUs	*							-	-	-
12.3.6.5 Troubleshoot to LRUs		*						-	-	-
12.3.6.6 Troubleshoot to other than LRUs								-	-	-
12.3.7 Demand Assign Multiple Access (DAMA) Satellite Communications										
12.3.7.1 General system knowledge								-	-	-
12.3.7.2 Perform operational check								-	-	-
12.3.7.3 Remove and install system LRUs								-	-	-
12.3.7.4 Troubleshoot to LRUs								-	-	-
12.3.7.5 Troubleshoot to other than LRUs								-	-	-
12.3.8 SATCOM 2000										
12.3.8.1 General system knowledge								-	-	-
12.3.8.2 Perform operational check	*							-	-	-
12.3.8.3 Load system software								-	-	-
12.3.8.4 Remove and install system LRUs	*							-	-	-
12.3.8.5 Troubleshoot to LRUs		*						-	-	-
12.3.8.6 Troubleshoot to other than LRUs								-	-	-
12.3.9 Communication Management System (CMS)										
12.3.9.1 General system knowledge								-	-	-
12.3.9.2 Perform operational check	*							-	-	-
12.3.9.3 Load system software								-	-	-
12.3.9.4 Remove and install system LRUs	*							-	-	-
12.3.9.5 Troubleshoot to LRUs		*						-	-	-
12.3.9.6 Troubleshoot to other than LRUs								-	-	-
12.3.10 Printer (TP-4429)										

## KC-135 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
12.3.10.1 General system knowledge								-	-	-
12.3.10.2 Perform operational check	*							-	-	-
12.3.10.3 Load paper								-	-	-
12.3.10.4 Remove and install system LRUs	*							-	-	-
12.3.10.5 Troubleshoot to LRUs		*						-	-	-
12.3.10.6 Troubleshoot to other than LRUs								-	-	-
12.3.11 Emergency Locator Transmitter/CPI										
12.3.11.1 General system knowledge								-	-	-
12.3.11.2 Perform operational check	*							-	-	-
12.3.11.3 Remove and install system LRUs	*							-	-	-
12.3.11.4 Troubleshoot to LRUs		*						-	-	-
12.3.11.5 Troubleshoot to other than LRUs								-	-	-
12.3.12 Cryptographic Devices TR: TM 3155-2USC-43-2, applicable C-135 Technical Orders										
12.3.12.1 Inspect								-	-	-
12.3.12.2 Use								-	-	-
12.3.12.3 Load								-	-	-
12.3.13 Secure Voice KY-58										
12.3.13.1 General system knowledge								-	-	-
12.3.13.2 Perform operational check	*							-	-	-
12.3.13.3 Remove and install system LRU	*							-	-	-
12.3.13.4 Troubleshoot to LRUs		*						-	-	-
12.3.13.5 Troubleshoot to other than LRUs								-	-	-
12.3.14 Cockpit Voice Recorder (CVR)										
12.3.14.1 General system knowledge								-	-	-
12.3.14.2 Perform operational check								-	-	-

## KC-135 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.3.14.3 Remove and install system LRUs								-	-	-
12.3.14.4 Troubleshoot to LRUs								-	-	-
12.3.14.5 Troubleshoot to other than LRUs								-	-	-
12.4 NAVIGATION SYSTEMS										
12.4.1 IFF Transponders AN/APX-100										
12.4.1.1 General system knowledge								-	-	-
12.4.1.2 Perform operational check										
12.4.1.2.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
12.4.1.2.2 Mode 4	*							-	-	-
12.4.1.2.3 Mode S	*							-	-	-
12.4.1.3 Remove and install system LRUs	*							-	-	-
12.4.1.4 Troubleshoot to LRUs		*						-	-	-
12.4.1.5 Troubleshoot to other than LRUs								-	-	-
12.4.2 Enhanced Traffic Alert and Collision Avoidance System (ETCAS)										
12.4.2.1 General system knowledge								-	-	-
12.4.2.2 Perform operational check	*							-	-	-
12.4.2.3 Remove and install system LRUs	*							-	-	-
12.4.2.4 Troubleshoot to LRUs		*						-	-	-
12.4.2.5 Troubleshoot to other than LRUs								-	-	-
12.4.3 VOR/LOC 51R-6										
12.4.3.1 General system knowledge								-	-	-
12.4.3.2 Perform operational check	*							-	-	-
12.4.3.3 Remove and install system LRUs	*							-	-	-
12.4.3.4 Troubleshoot to LRUs		*						-	-	-
12.4.3.5 Troubleshoot to other than LRUs								-	-	-

## KC-135 TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.4.4 Glideslope System 51V-4A										
12.4.4.1 General system knowledge								-	-	-
12.4.4.2 Perform operational check	*							-	-	-
12.4.4.3 Remove and install system LRUs	*							-	-	-
12.4.4.4 Troubleshoot to LRUs		*						-	-	-
12.4.4.5 Troubleshoot to other than LRUs								-	-	-
12.4.5 Marker Beacon System AN/ARN- 32										
12.4.5.1 General system knowledge								-	-	-
12.4.5.2 Perform operational check	*							-	-	-
12.4.5.3 Remove and install system LRUs	*							-	-	-
12.4.5.4 Troubleshoot to LRUs		*						-	-	-
12.4.5.5 Troubleshoot to other than LRUs								-	-	-
12.4.6 Radio Navigation System (Multi-Mode Receiver)										
12.4.6.1 General system knowledge								-	-	-
12.4.6.2 Perform operational check	*							-	-	-
12.4.6.3 Remove and install system LRUs	*							-	-	-
12.4.6.4 Troubleshoot to LRUs		*						-	-	-
12.4.6.5 Troubleshoot to other than LRUs								-	-	-
12.4.7 Tactical Air Navigation (TACAN) AN/ARN-118(V)										
12.4.7.1 General system knowledge								-	-	-
12.4.7.2 Perform operational check	*							-	-	-
12.4.7.3 Remove and install system LRUs	*							-	-	-
12.4.7.4 Troubleshoot to LRUs		*						-	-	-
12.4.7.5 Troubleshoot to other than LRUs								-	-	-
12.4.8 Inertial Navigation System (INS) Carousel IV										
12.4.8.1 General system knowledge								-	-	-

## KC-135 TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.4.8.2 Operate system								-	-	-
12.4.9 Embedded Global Positioning System/Inertial Navigation System										
12.4.9.1 General system knowledge								-	-	-
12.4.9.2 Operate system								-	-	-
12.4.10 Doppler Navigation System (DNS) APN-218										
12.4.10.1 General system knowledge								-	-	-
12.4.10.2 Perform operational check								-	-	-
12.4.10.3 Remove and install system LRUs								-	-	-
12.4.10.4 Troubleshoot to LRUs								-	-	-
12.4.10.5 Troubleshoot to other than LRUs								-	-	-
12.5 RADAR										
12.5.1 Color Weather Radar WRX-700XW										
12.5.1.1 General system knowledge								-	-	-
12.5.1.2 Perform operational check	*							-	-	-
12.5.1.3 Remove and install system LRUs	*							-	-	-
12.5.1.4 Troubleshoot to LRUs		*						-	-	-
12.5.1.5 Troubleshoot to other than LRUs								-	-	-
12.5.2 Low Range Altimeter System AN/AL-101										
12.5.2.1 General system knowledge								-	-	-
12.5.2.2 Perform operational check	*							-	-	-
12.5.2.3 Remove and install system LRUs	*							-	-	-
12.5.2.4 Troubleshoot to LRUs		*						-	-	-
12.5.2.5 Troubleshoot to other than LRUs								-	-	-
12.5.3 Combined Altitude Radar Altimeter (CARA) AN/APN-232										
12.5.3.1 General system knowledge								-	-	-

## KC-135 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
12.5.3.2 Perform operational check	*							-	-	-
12.5.3.3 Remove and install system LRUs	*							-	-	-
12.5.3.4 Troubleshoot to LRUs		*						-	-	-
12.5.3.5 Troubleshoot to other than LRUs								-	-	-
12.6 MISSION SYSTEM										
12.6.1 Flight Management System FMS-800										
12.6.1.1 General system knowledge								-	-	-
12.6.1.2 Operate system	*							-	-	-
12.6.1.3 Perform system operational check								-	-	-
12.6.1.4 Load software								-	-	-
12.6.1.5 Remove and install system LRUs								-	-	-
12.6.2 Flight Display System										
12.6.2.1 General system knowledge								-	-	-
12.6.2.2 Operate system	*							-	-	-
12.6.3 Information Management System/Flight Management System (IMS/FMS)										
12.6.3.1 General system knowledge								-	-	-
12.6.3.2 Operate system	*							-	-	-
12.6.3.3 Perform system operational check								-	-	-
12.6.3.4 Load software								-	-	-
12.6.3.5 Remove and install system LRUs								-	-	-



## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

**13 Attachment 13 - E-3 Training Requirements**

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-3 aircraft/systems. If E3 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

13.1 GENERAL ORGANIZATIONAL MAINTENANCE TR: 1E-3A-2-7, 1E-3A-2-1-1										
13.1.1 Aircraft familiarization								-	-	-
13.1.1.1 Major structural areas								-	-	-
13.1.1.2 Major systems								-	-	-
13.1.1.3 Aircraft egress procedures	*							-	-	-
13.2 GENERAL MAINTENANCE TASKS TR: Applicable E-3A Technical Orders										
13.2.1 Ensure aircraft safe for maintenance	*							-	-	-
13.2.2 Static grounding	*							-	-	-
13.2.3 Perform aircraft wash								-	-	-
13.2.4 Remove and install maintenance panels								-	-	-
13.2.5 Open/close engine cowling								-	-	-
13.2.6 Open/close nose radome	*							-	-	-
13.2.7 Operate hydraulics								-	-	-
13.2.8 Launch/Recover aircraft								-	-	-
13.2.9 Marshall aircraft								-	-	-
13.2.10 Tow Aircraft										
13.2.10.1 Wing walker								-	-	-
13.2.10.2 Brake operator								-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.2.10.3 Tow vehicle operator								-	-	-
13.2.10.4 Tow supervisor								-	-	-
13.2.11 Refuel/defuel										
13.2.11.1 Panel operator								-	-	-
13.2.11.2 Supervisor								-	-	-
13.2.11.3 Fire guard								-	-	-
13.2.12 Jack team member								-	-	-
13.2.13 Aircraft deicing								-	-	-
13.2.14 Connect external cooling air								-	-	-
13.2.15 SDU-34 Cooling Air Monitor								-	-	-
13.2.16 Filter Cart								-	-	-
13.2.17 Apply power using										
13.2.17.1 APU TR: 1E-3A-2-71-1								-	-	-
13.2.17.2 Generator Set	*							-	-	-
13.2.18 Aircraft/Equipment hazardous condition tags TR: 00-20-5								-	-	-
13.3 COMMUNICATION SYSTEMS										
13.3.1 Audio Distribution System AIC-28 TR: 1E-3A-2-23-2										
13.3.1.1 Purpose and characteristics								-	-	-
13.3.1.2 Theory of operations								-	-	-
13.3.1.3 Perform operational check	*							-	-	-
13.3.1.4 Remove and install LRUs	*							-	-	-
13.3.1.5 Isolate malfunctions		*						-	-	-
13.3.1.6 Inspect installed equipment								-	-	-
13.3.2 High Frequency (HF) Radio AN/ARC-229 Automatic Link Establishment (ALE) TR: 1E-3A-2-23-2										

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
13.3.2.1 Purpose and characteristics								-	-	-
13.3.2.2 Theory of operation								-	-	-
13.3.2.3 Perform operational check										
13.3.2.3.1 System 1 (Flight Deck)								-	-	-
13.3.2.3.2 System 1, 2, 3 (Mission)	*							-	-	-
13.3.2.4 Update/operate/load software								-	-	-
13.3.2.5 Remove and install LRUs	*							-	-	-
13.3.2.6 Isolate malfunctions		*						-	-	-
13.3.2.7 Inspect installed equipment								-	-	-
13.3.3 Very High Frequency (VHF) AM Communications AN/ARC-166  TR: 1E-3A-2-23-2										
13.3.3.1 Purpose and characteristics								-	-	-
13.3.3.2 Theory of operation								-	-	-
13.3.3.3 Perform operational check										
13.3.3.3.1 VHF System 1 (Flight Deck)	*							-	-	-
13.3.3.3.2 VHF System 1, 2, (Mission)								-	-	-
13.3.3.3.3 VHF System 3 (Guard)								-	-	-
13.3.3.4 Remove and install LRUS	*							-	-	-
13.3.3.5 Isolate malfunctions	*							-	-	-
13.3.3.6 Inspect installed equipment								-	-	-
13.3.4 Very High Frequency (VHF) FM AN/ARC-173 TR: 1E-3A-2-23-2										
13.3.4.1 Purpose and characteristics								-	-	-
13.3.4.2 Theory of operation								-	-	-
13.3.4.3 Perform operational check								-	-	-
13.3.4.4 Remove and install LRUs								-	-	-
13.3.4.5 Isolate malfunctions								-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
13.3.4.6 Inspect installed equipment								-	-	-
13.3.5 UHF Direction Finder (DF) ARA-50 TR: 1E-3A-2-23-2										
13.3.5.1 Purpose and characteristics								-	-	-
13.3.5.2 Theory of operation								-	-	-
13.3.5.3 Perform operational check								-	-	-
13.3.5.4 Remove and install LRUs								-	-	-
13.3.5.5 Isolate malfunctions								-	-	-
13.3.5.6 Inspect installed equipment								-	-	-
13.3.6 Ultra High Frequency (UHF) Radio System AN/ARC-169 TR: 1E-3A-2-23-2, 1E-3A-2-23-3										
13.3.6.1 Purpose and characteristics								-	-	-
13.3.6.2 Theory of operation								-	-	-
13.3.6.3 Perform operational check										
13.3.6.3.1 AN/ARC-168/ARC-171	*							-	-	-
13.3.6.3.2 Flight Deck UHF U-19								-	-	-
13.3.6.3.3 HAVE QUICK B-net								-	-	-
13.3.6.4 Remove and install LRUs	*							-	-	-
13.3.6.5 Isolate malfunctions		*						-	-	-
13.3.6.6 Inspect installed equipment								-	-	-
13.3.7 UHF Communication System (HAVE QUICK A-NET) AN/ARC-204 TR: 1E-3A-2-23-2										
13.3.7.1 Purpose and characteristics								-	-	-
13.3.7.2 Theory of operation								-	-	-
13.3.7.3 Perform operational check										
13.3.7.3.1 Normal								-	-	-
13.3.7.3.2 HAVE QUICK	*							-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
13.3.7.3.3 TOD (Time of Day) Transceiver U20								-	-	-
13.3.7.4 Remove and install LRUs	*							-	-	-
13.3.7.5 Isolate malfunctions		*						-	-	-
13.3.7.6 Inspect installed equipment								-	-	-
13.3.8 Airborne Integrated Terminal Group AN/ARC-234 TR: Applicable 1E-3A-2 series Technical Orders										
13.3.8.1 Purpose and characteristics								-	-	-
13.3.8.2 Theory of operation								-	-	-
13.3.8.3 System Tie -in/ Integration								-	-	-
13.3.8.4 Perform operational check										
13.3.8.4.1 UHF/LOS								-	-	-
13.3.8.4.2 UHF SATCOM								-	-	-
13.3.8.4.3 HAVE QUICK								-	-	-
13.3.8.4.4 VHF								-	-	-
13.3.8.5 Remove and install LRUs								-	-	-
13.3.8.6 Isolate malfunctions								-	-	-
13.3.8.7 Inspect installed equipment								-	-	-
13.3.9 Satellite Communications ARC-171/ SATCOM Interface Modem TR: 1E-3A-2-23-2										
13.3.9.1 Purpose and characteristics								-	-	-
13.3.9.2 Theory of operation								-	-	-
13.3.9.3 Perform operational check										
13.3.9.3.1 LOS								-	-	-
13.3.9.3.2 SATCOM	*							-	-	-
13.3.9.4 Remove and install LRUs	*							-	-	-
13.3.9.5 Isolate malfunctions		*						-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.3.9.6 Inspect installed equipment								-	-	-
13.3.10 Flight Recorder/Locator Systems TR: 1E-3A-2-23-2										
13.3.10.1 Purpose and characteristics								-	-	-
13.3.10.2 Theory of operation								-	-	-
13.3.10.3 Perform operational check										
13.3.10.3.1 DFDR/FDAU								-	-	-
13.3.10.3.2 CVR								-	-	-
13.3.10.3.3 CPL								-	-	-
13.3.10.3.4 UAB								-	-	-
13.3.10.4 Remove and install LRUs								-	-	-
13.3.10.5 Isolate malfunctions								-	-	-
13.3.10.6 Inspect installed equipment								-	-	-
13.3.11 Cryptographic Devices TR: TM 3155-2USC-43-2, 1E-3A-2-23-2										
13.3.11.1 Inspect								-	-	-
13.3.11.2 Use	*							-	-	-
13.3.11.3 Load								-	-	-
13.3.12 Wideband Secure Voice (WBSV) KY-58										
13.3.12.1 Purpose and characteristics								-	-	-
13.3.12.2 Theory of operation								-	-	-
13.3.12.3 Perform operational check	*							-	-	-
13.3.12.4 Remove and install LRUs	*							-	-	-
13.3.12.5 Isolate malfunctions		*						-	-	-
13.3.12.6 Inspect installed equipment								-	-	-
13.3.13 Narrow Band Secure Voice (NBSV) (ANDVT)										
13.3.13.1 Purpose and characteristics								-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.3.13.2 Theory of operation								-	-	-
13.3.13.3 Perform operational checks	*							-	-	-
13.3.13.4 Remove and install LRUs	*							-	-	-
13.3.13.5 Isolate malfunctions		*						-	-	-
13.3.13.6 Inspect installed equipment								-	-	-
<b>13.3.14 Base Band Switching System (BSS)</b>										
13.3.14.1 Purpose and characteristics								-	-	-
13.3.14.2 Theory of operation								-	-	-
13.3.14.3 Perform operational check								-	-	-
13.3.14.4 Remove and install LRUs								-	-	-
13.3.14.5 Isolate malfunctions								-	-	-
13.3.14.6 Inspect installed equipment								-	-	-
<b>13.3.15 Key Generator KG-40A/KGX-40</b>										
13.3.15.1 Purpose and characteristics								-	-	-
13.3.15.2 Theory of operation								-	-	-
13.3.15.3 Perform operational checks								-	-	-
13.3.15.4 Remove and install LRUs								-	-	-
13.3.15.5 Isolate malfunctions								-	-	-
13.3.15.6 Inspect installed equipment								-	-	-
<b>13.4 NAVIGATION SYSTEMS TR: 1E-3A-2-34-1</b>										
13.4.1 Identification Friend or Foe (IFF) Transponders AN/APX-101								-	-	-
13.4.1.1 Purpose and characteristics								-	-	-
13.4.1.2 Theory of operation								-	-	-
13.4.1.3 Perform operational check										
13.4.1.3.1 Mode 1, Mode 2, Mode 3A, Mode C	*							-	-	-
13.4.1.3.2 Mode 4	*							-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.4.1.4 Remove and install LRUs	*							-	-	-
13.4.1.5 Isolate malfunctions	*							-	-	-
13.4.1.6 Inspect installed equipment								-	-	-
13.4.2 VHF Navigation System 1, 2 (VOR/LOC/GS) 51RV-2B TR: 1E-3A-2-34-1										
13.4.2.1 Purpose and characteristics								-	-	-
13.4.2.2 Theory of operation								-	-	-
13.4.2.3 Perform operational check	*							-	-	-
13.4.2.4 Remove and install LRUs	*							-	-	-
13.4.2.5 Isolate malfunctions		*						-	-	-
13.4.2.6 Inspect installed equipment								-	-	-
13.4.3 Marker Beacon System (MKA-28D) TR: 1E-3A-2-34-1										
13.4.3.1 Purpose and characteristics								-	-	-
13.4.3.2 Theory of operation								-	-	-
13.4.3.3 Perform operational check								-	-	-
13.4.3.4 Remove and install LRUs								-	-	-
13.4.3.5 Isolate malfunctions								-	-	-
13.4.3.6 Inspect installed equipment								-	-	-
13.4.4 Automatic Direction Finder (ADF) (51Y-4) TR: 1E-3A-2-34-1										
13.4.4.1 Purpose and characteristics								-	-	-
13.4.4.2 Theory of operation								-	-	-
13.4.4.3 Perform operational check								-	-	-
13.4.4.4 Remove and install LRUs								-	-	-
13.4.4.5 Isolate malfunctions								-	-	-
13.4.4.6 Inspect installed equipment								-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.4.5 Radar Transponder APX-78 TR: 1E-3A-2-34-1										
13.4.5.1 Purpose and characteristics								-	-	-
13.4.5.2 Theory of operation								-	-	-
13.4.5.3 Perform operational check								-	-	-
13.4.5.4 Remove and install LRUs								-	-	-
13.4.5.5 Isolate malfunctions								-	-	-
13.4.5.6 Inspect installed equipment								-	-	-
13.4.6 Tactical Air Navigation System 1, 2, AN/ARN-118(v) TR: 1E-2A-2-34-1										
13.4.6.1 Purpose and characteristics								-	-	-
13.4.6.2 Theory of operation								-	-	-
13.4.6.3 Perform operational check								-	-	-
13.4.6.4 Remove and install LRUs								-	-	-
13.4.6.5 Isolate malfunctions								-	-	-
13.4.6.6 Inspect installed equipment								-	-	-
13.4.7 GPS Integrated Navigation System (GINS) TR: 1E-34-2-34-4										
13.4.7.1 Purpose and characteristics								-	-	-
13.4.7.2 Theory of operation								-	-	-
13.4.7.3 System Tie -in/Integration								-	-	-
13.4.7.4 Perform operational check	*							-	-	-
13.4.7.5 Accomplish mission data loads	*							-	-	-
13.4.7.6 Load Lever Arm/Bore -site Data	*							-	-	-
13.4.7.7 Load/Zeroize crypto variables	*							-	-	-
13.4.7.8 Operate Mission Planning Ground Station								-	-	-
13.4.7.9 Remove and install LRUs	*							-	-	-
13.4.7.10 Isolate malfunctions		*						-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.4.7.11 Inspect installed equipment								-	-	-
<b>13.5 RADAR SYSTEMS</b>										
13.5.1 Color Weather Radar AN/APS-133 TR: Applicable E-3A Technical Orders										
13.5.1.1 Purpose and characteristics								-	-	-
13.5.1.2 Theory of operation								-	-	-
13.5.1.3 Perform operational checks	*							-	-	-
13.5.1.4 Remove and install LRUs	*							-	-	-
13.5.1.5 Isolate malfunctions		*						-	-	-
13.5.1.6 Inspect installed equipment								-	-	-
13.5.2 Low Range Altimeter System TR: Applicable E-3A Technical Orders										
13.5.2.1 Purpose and characteristics								-	-	-
13.5.2.2 Theory of operation								-	-	-
13.5.2.3 Perform operational check								-	-	-
13.5.2.4 Remove and install LRUs								-	-	-
13.5.2.5 Isolate malfunctions								-	-	-
13.5.2.6 Inspect Installed equipment								-	-	-
<b>13.6 MISSION SYSTEMS</b>										
13.6.1 TADIL-A/LINK 11 Digital Data Modem  TR: Applicable E-3A Technical Orders										
13.6.1.1 Purpose and characteristics								-	-	-
13.6.1.2 Theory of operation								-	-	-
13.6.1.3 Perform operational check								-	-	-
13.6.1.4 E3 to E3 Link TR: 1E-3A-43-3-1-2								-	-	-
13.6.1.5 Remove and install LRUs								-	-	-

## E-3 TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
13.6.1.6 Isolate malfunctions								-	-	-
13.6.1.7 Inspect installed equipment								-	-	-
13.6.2 Joint Tactical Information Distribution System (JTIDS) URC-107(V) TR: 1E-3A-2-23-2-1~6										
13.6.2.1 Purpose and characteristics								-	-	-
13.6.2.2 Theory of operation								-	-	-
13.6.2.3 System Tie -in Integration								-	-	-
13.6.2.4 Perform operational check	*							-	-	-
13.6.2.5 E3 to E3 Link (Voice/data)								-	-	-
13.6.2.6 Remove and install LRUs	*							-	-	-
13.6.2.7 Remove and install LRMs								-	-	-
13.6.2.8 Isolate malfunctions								-	-	-
13.6.2.9 Inspect installed equipment		*						-	-	-
13.6.3 Broadcast Intelligence System TR: Applicable E-3A Technical Orders										
13.6.3.1 Purpose and characteristics								-	-	-
13.6.3.2 Theory of operation								-	-	-
13.6.3.3 Load Encryption Data								-	-	-
13.6.3.4 Perform operational check								-	-	-
13.6.3.5 Remove and install LRUs								-	-	-
13.6.3.6 Isolate malfunctions								-	-	-
13.6.3.7 Inspect installed equipment								-	-	-



## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

14 Attachment 14 - E-4B Training Requirements

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-4B aircraft/systems. If E-4B aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

14.1 GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable E-4B Technical Orders										
14.1.1 Aircraft familiarization								-	-	-
14.1.1.1 Technical order familiarization								-	-	-
14.1.1.2 Flight line safety/precautions/security								-	-	-
14.1.1.3 Introduction to aircraft/airframe familiarization								-	-	-
14.1.1.4 Inspect/operate portable external electrical power unit								-	-	-
14.1.1.5 Inspect/use ground maintenance stands								-	-	-
14.1.1.6 Dropped object prevention program (DOPP)								-	-	-
14.1.1.7 Defensive systems (DS) familiarization on applicable aircraft								-	-	-
14.2 GENERAL MAINTENANCE PROCEDURES TR: Applicable E-4B Technical Orders										
14.2.1 Statically ground aircraft								-	-	-
14.2.2 Apply/disconnect external electrical power unit	*							-	-	-
14.2.3 Perform aircraft wash								-	-	-
14.2.4 Jack aircraft										
14.2.4.1 Jacking Supervisor								-	-	-
14.2.4.2 Jacking team member								-	-	-

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.2.5 Tow Aircraft										
14.2.5.1 Perform wing/tail walker duties								-	-	-
14.2.5.2 Brake Operator								-	-	-
14.2.6 Enter/Exit Horizontal Stabilizer								-	-	-
14.2.7 Enter/Exit Vertical Stabilizer								-	-	-
14.2.8 Open and Close Nose Radome	*							-	-	-
14.2.9 Remove and install Maintenance Panels								-	-	-
14.2.10 Aircraft Egress								-	-	-
14.3 COMMUNICATIONS SYSTEMS										
14.3.1 Interphone Systems										
14.3.1.1 Flight Interphone TR: 1E-4B-2-23 Section 5										
14.3.1.1.1 Purpose and characteristics								-	-	-
14.3.1.1.2 Theory of operation								-	-	-
14.3.1.1.3 Perform operational checks								-	-	-
14.3.1.1.4 Troubleshoot to LRUs								-	-	-
14.3.1.1.5 Remove and install LRUs								-	-	-
14.3.1.1.6 Troubleshoot to other than LRUs								-	-	-
14.3.1.2 Cabin Interphone TR: 1E-4B-2-23 Section 42										
14.3.1.2.1 Purpose and characteristics								-	-	-
14.3.1.2.2 Theory of operation								-	-	-
14.3.1.2.3 Purpose and characteristics	*							-	-	-
14.3.1.2.4 Perform operational checks	*							-	-	-
14.3.1.2.5 Troubleshoot to LRUs	*							-	-	-
14.3.1.2.6 Remove and install LRUs		*						-	-	-
14.3.1.2.7 Troubleshoot to other than LRUs								-	-	-
14.3.1.3 Battlestaff Interphone TR: 1E-4B-2-23 Section 76										

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.3.1.3.1 Purpose and characteristics								-	-	-
14.3.1.3.2 Theory of operation								-	-	-
14.3.1.3.3 Perform operational checks	*							-	-	-
14.3.1.3.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.3.5 Remove and install LRUs	*							-	-	-
14.3.1.3.6 Advanced Troubleshooting		*						-	-	-
14.3.1.4 Internal Briefing System TR: 1E-4B-43-2-1 Section 82										
14.3.1.4.1 Purpose and characteristics								-	-	-
14.3.1.4.2 Theory of operation								-	-	-
14.3.1.4.3 Perform operational checks	*							-	-	-
14.3.1.4.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.4.5 Remove and install LRUs	*							-	-	-
14.3.1.4.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.1.5 C3 Public Address System TR: 1E-4B-43-2-1 Section 85										
14.3.1.5.1 Purpose and characteristics								-	-	-
14.3.1.5.2 Theory of operation								-	-	-
14.3.1.5.3 Perform operational checks	*							-	-	-
14.3.1.5.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.5.5 Remove and install LRUs	*							-	-	-
14.3.1.5.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.1.6 Service Interphone TR: 1E-4B-2-23 Section 41										
14.3.1.6.1 Purpose and characteristics								-	-	-
14.3.1.6.2 Theory of operation								-	-	-
14.3.1.6.3 Perform operational checks								-	-	-
14.3.1.6.4 Troubleshoot to LRUs								-	-	-
14.3.1.6.5 Remove and install LRUs								-	-	-

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.3.1.6.6 Troubleshoot to other than LRUs								-	-	-
14.3.1.7 Operator Interphone TR: 1E-4B-43-2-1 Section 81										
14.3.1.7.1 Purpose and characteristics								-	-	-
14.3.1.7.2 Theory of operation								-	-	-
14.3.1.7.3 Perform operational checks	*							-	-	-
14.3.1.7.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.7.5 Remove and install LRUs	*							-	-	-
14.3.1.7.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.1.8 Passenger Interphone TR: 1E-4B-2-23 Section 31										
14.3.1.8.1 Purpose and characteristics								-	-	-
14.3.1.8.2 Theory of operation								-	-	-
14.3.1.8.3 Perform operational checks								-	-	-
14.3.1.8.4 Troubleshoot to LRUs								-	-	-
14.3.1.8.5 Remove and install LRUs								-	-	-
14.3.1.8.6 Troubleshoot to other than LRUs								-	-	-
14.3.1.9 Ground Crew Call TR: 1E-4B-2-23 Section 43										
14.3.1.9.1 Purpose and characteristics								-	-	-
14.3.1.9.2 Theory of operation								-	-	-
14.3.1.9.3 Perform operational checks	*							-	-	-
14.3.1.9.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.9.5 Remove and install LRUs	*							-	-	-
14.3.1.9.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.1.10 Refueling Interphone TR: Applicable E-4B Technical Orders										
14.3.1.10.1 Purpose and characteristics								-	-	-
14.3.1.10.2 Theory of operation								-	-	-

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.3.1.10.3 Perform operational checks	*							-	-	-
14.3.1.10.4 Troubleshoot to LRUs	*							-	-	-
14.3.1.10.5 Remove and install LRUs	*							-	-	-
14.3.1.10.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.2 High Frequency HF Radio AN/ARC-190 TR: 1E-4B-43-2-1 Section 31-01										-
14.3.2.1 Purpose and characteristics								-	-	-
14.3.2.2 Theory of operation								-	-	-
14.3.2.3 Perform operational checks	*							-	-	-
14.3.2.4 Troubleshoot to LRUs	*							-	-	-
14.3.2.5 Remove and install LRUs	*							-	-	-
14.3.2.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.3 Automatic Communications Processor (ACP) CP-2024A/ARC-190 TR: 1E-4B-43-2-1 Section 31-18										
14.3.3.1 Purpose and characteristics								-	-	-
14.3.3.2 Theory of operation								-	-	-
14.3.3.3 Perform operational checks	*							-	-	-
14.3.3.4 Troubleshoot to LRUs	*							-	-	-
14.3.3.5 Remove and install LRUs	*							-	-	-
14.3.3.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.4 Medium Frequency (MF) Receiver TR: 1E-4B-43-2-1 Section 05										
14.3.4.1 Purpose and characteristics								-	-	-
14.3.4.2 Theory of operation								-	-	-
14.3.4.3 Perform operational checks								-	-	-
14.3.4.4 Troubleshoot to LRUs								-	-	-
14.3.4.5 Remove and install LRUs								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.3.4.6 Troubleshoot to other than LRUs								-	-	-
14.3.5 Very High Frequency (VHF) 618-M2 TR: 1E-4B-2-23 Section 21										
14.3.5.1 Purpose and characteristics								-	-	-
14.3.5.2 Theory of operation								-	-	-
14.3.5.3 Perform operational checks	*							-	-	-
14.3.5.4 Troubleshoot to LRUs	*							-	-	-
14.3.5.5 Remove and install LRUs	*							-	-	-
14.3.5.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.6 VHF-FM TR: 1E-4B-43-2-1 Section 28										
14.3.6.1 Purpose and characteristics								-	-	-
14.3.6.2 Theory of operation								-	-	-
14.3.6.3 Perform operational checks								-	-	-
14.3.6.4 Troubleshoot to LRUs								-	-	-
14.3.6.5 Remove and install LRUs								-	-	-
14.3.6.6 Troubleshoot to other than LRUs								-	-	-
14.3.7 Portable VHF TR: 1E-4B-43-2-1 Section 21										
14.3.7.1 Purpose and characteristics								-	-	-
14.3.7.2 Theory of operation								-	-	-
14.3.7.3 Perform operational checks								-	-	-
14.3.7.4 Troubleshoot to LRUs								-	-	-
14.3.7.5 Remove and install LRUs								-	-	-
14.3.7.6 Troubleshoot to other than LRUs								-	-	-
14.3.8 Ultra High Frequency (UHF) Radio System AN/ARC-210 TR: 1E-4B-2-23 Section 22										
14.3.8.1 Purpose and characteristics								-	-	-
14.3.8.2 Theory of operation								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
14.3.8.3 Perform operational checks	*							-	-	-
14.3.8.4 Troubleshoot to LRUs	*							-	-	-
14.3.8.5 Remove and install LRUs	*							-	-	-
14.3.8.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.9 UHF Direction Finder (DF) AN/ARA-50 TR: 1E-4B-2-34 Section 56										
14.3.9.1 Purpose and characteristics								-	-	-
14.3.9.2 Theory of operation								-	-	-
14.3.9.3 Perform operational checks								-	-	-
14.3.9.4 Troubleshoot to LRUs								-	-	-
14.3.9.5 Remove and install LRUs								-	-	-
14.3.9.6 Troubleshoot to other than LRUs								-	-	-
14.3.10 Cockpit Voice Recorder TR: Applicable E-4B Technical Orders										
14.3.10.1 Purpose and characteristics								-	-	-
14.3.10.2 Theory of operation								-	-	-
14.3.10.3 Perform operational checks								-	-	-
14.3.10.4 Troubleshoot to LRUs								-	-	-
14.3.10.5 Remove and install LRUs								-	-	-
14.3.10.6 Troubleshoot to other than LRUs								-	-	-
14.3.11 Cockpit Voice Recorder/Digital Flight Data Recorder (CVR/DFDR) TR: Applicable E-4B Technical Orders										
14.3.11.1 Purpose and characteristics								-	-	-
14.3.11.2 Theory of operation								-	-	-
14.3.11.3 Perform operational checks								-	-	-
14.3.11.4 Troubleshoot to LRU								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.3.11.5 Remove and install LRUs								-	-	-
14.3.11.6 Troubleshoot to other than LRUs								-	-	-
14.3.12 Crash Position Indicator (CPI) TR: 1E-4B-2-23 Section 24										
14.3.12.1 Purpose and characteristics								-	-	-
14.3.12.2 Theory of operation								-	-	-
14.3.12.3 Perform operational checks	*							-	-	-
14.3.12.4 Troubleshoot to LRU	*							-	-	-
14.3.12.5 Remove and install LRUs	*							-	-	-
14.3.12.6 Troubleshoot to other than LRUs		*						-	-	-
14.3.13 Emergency Locator Transmitter (ELT) TR: Applicable E-4B Technical Orders										
14.3.13.1 Purpose and characteristics								-	-	-
14.3.13.2 Theory of operation								-	-	-
14.3.13.3 Perform operational checks								-	-	-
14.3.13.4 Troubleshoot to LRUs								-	-	-
14.3.13.5 Remove and install LRUs								-	-	-
14.3.13.6 Troubleshoot to other than LRUs								-	-	-
14.3.14 Direct Access Auxiliary Switching Equipment Group TR: 1E-4B-43-2-1 Section 76										
14.3.14.1 Purpose and characteristics								-	-	-
14.3.14.2 Theory of operation								-	-	-
14.3.14.3 Perform operational checks								-	-	-
14.3.14.4 Troubleshoot to LRUs								-	-	-
14.3.14.5 Remove and install LRUs								-	-	-
14.3.14.6 Troubleshoot to other than LRUs								-	-	-
14.4 NAVIGATION SYSTEMS										

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.4.1 Identification Friend or Foe (IFF) Transponder AR/APX-100 TR: 1E-4B-2-34 Section										
14.4.1.1 Purpose and characteristics								-	-	-
14.4.1.2 Theory of operation								-	-	-
14.4.1.3 Perform operational checks	*							-	-	-
14.4.1.4 Troubleshoot to LRUs	*							-	-	-
14.4.1.5 Remove and install LRUs	*							-	-	-
14.4.1.6 Troubleshoot to other than LRUs		*						-	-	-
14.4.2 Identification Friend or Foe (IFF) Transponder APX-72 TR: 1E-4B-2-34 Section 52										
14.4.2.1 Purpose and characteristics								-	-	-
14.4.2.2 Theory of operation								-	-	-
14.4.2.3 Perform operational checks	*							-	-	-
14.4.2.4 Troubleshoot to LRUs	*							-	-	-
14.4.2.5 Remove and install LRUs	*							-	-	-
14.4.2.6 Troubleshoot to other than LRUs	*							-	-	-
14.4.3 Mode 4 Computer								-	-	-
14.4.3.1 Perform operational checks	*							-	-	-
14.4.3.2 Troubleshooting	*							-	-	-
14.4.3.3 Remove and install LRU	*							-	-	-
14.4.4 VHF Navigation System VOR/ILS AN/ARN-511RV-2B TR: 1E-4B-2-23 Section										
14.4.4.1 Purpose and characteristics								-	-	-
14.4.4.2 Theory of operation								-	-	-
14.4.4.3 Perform operational checks								-	-	-
14.4.4.4 Troubleshoot to LRUs								-	-	-
14.4.4.5 Remove and install LRUs								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.4.4.6 Troubleshoot to other than LRUs								-	-	-
14.4.5 Marker Beacon AN/ARN-51Z-4 TR: 1E-4B-2-34 Section 32										
14.4.5.1 Purpose and characteristics								-	-	-
14.4.5.2 Theory of operation								-	-	-
14.4.5.3 Perform operational checks								-	-	-
14.4.5.4 Troubleshoot to LRUs								-	-	-
14.4.5.5 Remove and install LRUs								-	-	-
14.4.5.6 Troubleshoot to other than LRUs								-	-	-
14.4.6 Rendezvous Beacon AN/APX-78 TR: 1E-4B-2-34 Section 51										
14.4.6.1 Purpose and characteristics								-	-	-
14.4.6.2 Theory of operation								-	-	-
14.4.6.3 Perform operational checks	*							-	-	-
14.4.6.4 Troubleshoot to LRUs	*							-	-	-
14.4.6.5 Remove and install LRUs	*							-	-	-
14.4.6.6 Troubleshoot to other than LRUs		*						-	-	-
14.4.7 Tactical Air Navigation (TACAN) SANS-7000 TR: 1E-4B-2-34 Section 54										
14.4.7.1 Purpose and characteristics								-	-	-
14.4.7.2 Theory of operation								-	-	-
14.4.7.3 Perform operational checks								-	-	-
14.4.7.4 Troubleshoot to LRUs								-	-	-
14.4.7.5 Remove and install LRUs								-	-	-
14.4.7.6 Troubleshoot to other than LRUs								-	-	-
14.4.8 Inertial Navigation System (INS) TR: Applicable E-4B Technical Orders										
14.4.8.1 Purpose and characteristics								-	-	-
14.4.8.2 Theory of operation								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
14.4.8.3 Perform operational checks								-	-	-
14.4.8.4 Remove and install INU								-	-	-
14.4.9 Global Positioning System (GPS) TR: 1E-4B-2-23 Section										
14.4.9.1 Purpose and characteristics								-	-	-
14.4.9.2 Theory of operation								-	-	-
14.4.9.3 Perform operational checks								-	-	-
14.4.9.4 Troubleshoot to LRU								-	-	-
14.4.9.5 Remove and install LRU								-	-	-
14.4.9.6 Troubleshoot to other than LRUs								-	-	-
14.4.10 Automatic Direction Finder (ADP) ARN-51Y-7 TR: 1E-4B-2-34 Section 57										
14.4.10.1 Purpose and characteristics								-	-	-
14.4.10.2 Theory of operation								-	-	-
14.4.10.3 Perform operational checks								-	-	-
14.4.10.4 Troubleshoot to LRUs								-	-	-
14.4.10.5 Remove and install LRUs								-	-	-
14.4.10.6 Troubleshoot to other than LRUs								-	-	-
14.4.11 Traffic Alert and Collision Avoidance System (TCAS) TR: 1E-4B-2-34 Section 57										
14.4.11.1 Purpose and characteristics								-	-	-
14.4.11.2 Theory of operation								-	-	-
14.4.11.3 Perform operational checks								-	-	-
14.4.11.4 Troubleshoot to LRUs								-	-	-
14.4.11.5 Remove and install LRUs								-	-	-
14.4.11.6 Troubleshoot to other than LRUs								-	-	-
14.4.12 Terrain Avoidance Warning System (TAWS) TR: Applicable E-4B Technical Orders										

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.4.12.1 Purpose and characteristics								-	-	-
14.4.12.2 Theory of operation								-	-	-
14.4.12.3 Perform operational checks								-	-	-
14.4.12.4 Troubleshoot to LRUs								-	-	-
14.4.12.5 Remove and install LRUs								-	-	-
14.4.12.6 Troubleshoot to other than LRUs								-	-	-
<b>14.5 RADAR SYSTEMS</b>										
<b>14.5.1 Color Weather Radar AN/APS-133 TR: 1E-4B-2-34 Section 43</b>										
14.5.1.1 Purpose and characteristics								-	-	-
14.5.1.2 Theory of operation								-	-	-
14.5.1.3 Perform operational checks	*							-	-	-
14.5.1.4 Troubleshoot to LRUs	*							-	-	-
14.5.1.5 Remove and install LRUs	*							-	-	-
14.5.1.6 Troubleshoot to other than LRUs		*						-	-	-
<b>14.5.2 Low Range Radio Altimeter AL-101 TR: 1E-4B-2-34 Section 33</b>										
14.5.2.1 Purpose and characteristics								-	-	-
14.5.2.2 Theory of operation								-	-	-
14.5.2.3 Perform operational checks	*							-	-	-
14.5.2.4 Troubleshoot to LRUs	*							-	-	-
14.5.2.5 Remove and install LRUs	*							-	-	-
14.5.2.6 Troubleshoot to other than LRUs		*						-	-	-
<b>14.6 MISSION SYSTEMS</b>										
<b>14.6.1 Voice Systems</b>										
<b>14.6.1.1 Airborne Performance Monitor (APM) TR: 1E-4B-43-2-1 Section 43-15-00</b>										

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.6.1.1.1 Purpose and characteristics								-	-	-
14.6.1.1.2 Theory of operation								-	-	-
14.6.1.1.3 Perform operational checks								-	-	-
14.6.1.1.4 Troubleshoot to LRUs								-	-	-
14.6.1.1.5 Remove and install LRUs								-	-	-
14.6.1.1.6 Troubleshoot to other than LRUs								-	-	-
14.6.1.2 C3 Radio Systems ARC-171 TR: 1E-4B-43-2-1 Section 43-11-01										
14.6.1.2.1 Purpose and characteristics								-	-	-
14.6.1.2.2 Theory of operation								-	-	-
14.6.1.2.3 Perform operational checks								-	-	-
14.6.1.2.4 Troubleshoot to LRUs								-	-	-
14.6.1.2.5 Remove and install LRUs								-	-	-
14.6.1.2.6 Troubleshoot to other than LRUs								-	-	-
14.6.2 Secure Voice Systems										
14.6.2.1 Secure Voice Switch ASQ-163 TR: 1E-4B-43-2-1 Section 51										
14.6.2.1.1 Purpose and characteristics								-	-	-
14.6.2.1.2 Theory of operation								-	-	-
14.6.2.1.3 Perform operational checks								-	-	-
14.6.2.1.4 Troubleshoot to LRUs								-	-	-
14.6.2.1.5 Remove and install LRUs								-	-	-
14.6.2.1.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.2 STUIII/R TR: 1E-4B-43-2-1 Section 41										
14.6.2.2.1 Purpose and characteristics TR:								-	-	-
14.6.2.2.2 Theory of operation								-	-	-
14.6.2.2.3 Perform operational checks								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	ing Start	ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.6.2.2.4 Troubleshoot to LRUs								-	-	-
14.6.2.2.5 Remove and install LRUs								-	-	-
14.6.2.2.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.3 Multiplexer System ACC-3 TR: 1E-4B-43-2-1 Section 71										
14.6.2.3.1 Purpose and characteristics								-	-	-
14.6.2.3.2 Theory of operation								-	-	-
14.6.2.3.3 Perform operational checks								-	-	-
14.6.2.3.4 Troubleshoot to LRUs								-	-	-
14.6.2.3.5 Remove and install LRUs								-	-	-
14.6.2.3.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.4 Manual Telephone Switching Set (MTSS) TR: 1E-4B-43-2-1 Section 74										
14.6.2.4.1 Purpose and characteristics								-	-	-
14.6.2.4.2 Theory of operation								-	-	-
14.6.2.4.3 Perform operational checks								-	-	-
14.6.2.4.4 Troubleshoot to LRUs								-	-	-
14.6.2.4.5 Remove and install LRUs								-	-	-
14.6.2.4.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.5 Automatic Switching System TR: 1E-4B-43-2-1 Section 71										
14.6.2.5.1 Purpose and characteristics								-	-	-
14.6.2.5.2 Theory of operation								-	-	-
14.6.2.5.3 Perform operational checks								-	-	-
14.6.2.5.4 Troubleshoot to LRUs								-	-	-
14.6.2.5.5 Remove and install LRUs								-	-	-
14.6.2.5.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.6 Tape Recorder TR: 1E-4B-43-2-1 Section 87										

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
14.6.2.6.1 Purpose and characteristics								-	-	-
14.6.2.6.2 Theory of operation								-	-	-
14.6.2.6.3 Perform operational checks								-	-	-
14.6.2.6.4 Troubleshoot to LRUs								-	-	-
14.6.2.6.5 Remove and install LRUs								-	-	-
14.6.2.6.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.7 Communication Patching Facilities TR: 1E-4B-43-2-1 Section 23										
14.6.2.7.1 Purpose and characteristics								-	-	-
14.6.2.7.2 Theory of operation								-	-	-
14.6.2.7.3 Perform operational checks								-	-	-
14.6.2.7.4 Troubleshoot to LRUs								-	-	-
14.6.2.7.5 Remove and install LRUs								-	-	-
14.6.2.7.6 Troubleshoot to other than LRUs								-	-	-
14.6.2.8 Test Facilities TR: 1E-4B-43-2-1 Section 24										
14.6.2.8.1 Purpose and characteristics								-	-	-
14.6.2.8.2 Theory of operation								-	-	-
14.6.2.8.3 Perform operational checks								-	-	-
14.6.2.8.4 Troubleshoot to LRUs								-	-	-
14.6.2.8.5 Remove and install LRUs								-	-	-
14.6.2.8.6 Troubleshoot to other than LRUs								-	-	-
14.7 DATA SYSTEMS										
14.7.1 Teletypewriter Group TR: 1E-4B-43-2-1 Section 40										
14.7.1.1 Purpose and characteristics								-	-	-
14.7.1.2 Theory of operation								-	-	-
14.7.1.3 Perform operational checks								-	-	-

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.7.1.4 Troubleshoot to LRUs								-	-	-
14.7.1.5 Remove and install LRUs								-	-	-
14.7.1.6 Remove and install LRUs								-	-	-
14.7.1.7 Troubleshoot to other than LRUs								-	-	-
14.7.2 Very Low Frequency/Low Frequency (VLF/LF) Radio System TR: 1E-4B-43-2-1 Section										
14.7.2.1 Purpose and characteristics								-	-	-
14.7.2.2 Theory of operation								-	-	-
14.7.2.3 Perform operational checks								-	-	-
14.7.2.4 Troubleshoot to LRUs								-	-	-
14.7.2.5 Remove and install LRUs								-	-	-
14.7.2.6 Troubleshoot to other than LRUs								-	-	-
14.7.3 Power Amplifier-Coupler (PA-C) Group OG-160/A TR: 1E-4B-43-2 Section										
14.7.3.1 Purpose and characteristics								-	-	-
14.7.3.2 Theory of operation								-	-	-
14.7.3.3 Perform operational checks								-	-	-
14.7.3.4 Troubleshoot to LRUs								-	-	-
14.7.3.5 Remove and install LRUs								-	-	-
14.7.3.6 Troubleshoot to other than LRUs								-	-	-
14.7.4 Autodin Terminal TR: 1E-4B-43-2-1 Section 63										
14.7.4.1 Purpose and characteristics								-	-	-
14.7.4.2 Theory of operation								-	-	-
14.7.4.3 Perform operational checks								-	-	-
14.7.4.4 Troubleshoot to LRUs								-	-	-
14.7.4.5 Remove and install LRUs								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.7.4.6 Troubleshoot to other than LRUs								-	-	-
14.7.5 Message Processing System (MPS) TR: 1E-4B-2-1 Section 67										
14.7.5.1 Purpose and characteristics								-	-	-
14.7.5.2 Theory of operation								-	-	-
14.7.5.3 Perform operational checks								-	-	-
14.7.5.4 Troubleshoot to LRUs								-	-	-
14.7.5.5 Remove and install LRUs								-	-	-
14.7.5.6 Troubleshoot to other than LRUs								-	-	-
14.7.6 Secure Data System TR: 1E-4B-43-2-1 Section 69										
14.7.6.1 Purpose and characteristics								-	-	-
14.7.6.2 Theory of operation								-	-	-
14.7.6.3 Perform operational checks								-	-	-
14.7.6.4 Troubleshoot to LRUs								-	-	-
14.7.6.5 Remove and install LRUs								-	-	-
14.7.6.6 Troubleshoot to other than LRUs								-	-	-
14.8 DATA CRYPTOGRAPHIC DEVICES										
14.8.1 KG-84 Series TR: Applicable technical data										
14.8.1.1 Purpose and characteristics								-	-	-
14.8.1.2 Theory of operation								-	-	-
14.8.1.3 Perform operational checks								-	-	-
14.8.1.4 Troubleshoot to LRUs								-	-	-
14.8.1.5 Remove and install LRUs								-	-	-
14.8.1.6 Troubleshoot to other than LRUs								-	-	-
14.8.2 KG-30 Series TR: Applicable technical data										
14.8.2.1 Purpose and characteristics								-	-	-

## E-4B TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.8.2.2 Theory of operation								-	-	-
14.8.2.3 Perform operational checks								-	-	-
14.8.2.4 Troubleshoot to LRUs								-	-	-
14.8.2.5 Remove and install LRUs								-	-	-
14.8.2.6 Troubleshoot to other than LRUs								-	-	-
14.9 SATELLITE SYSTEMS										
14.9.1 MILSTAR TR: 1E-4B-43-2-1 Section 98										
14.9.1.1 Antenna Pointing Group TR: Applicable technical data										
14.9.1.1.1 Purpose and characteristics								-	-	-
14.9.1.1.2 Theory of operation								-	-	-
14.9.1.1.3 Perform operational checks								-	-	-
14.9.1.1.4 Troubleshoot to LRUs								-	-	-
14.9.1.1.5 Remove and install LRUs								-	-	-
14.9.1.1.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.2 Common Group TR: Applicable technical data										
14.9.1.2.1 Purpose and characteristics								-	-	-
14.9.1.2.2 Theory of operation								-	-	-
14.9.1.2.3 Perform operational checks								-	-	-
14.9.1.2.4 Troubleshoot to LRUs								-	-	-
14.9.1.2.5 Remove and install LRUs								-	-	-
14.9.1.2.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.3 UHF Group TR: Applicable technical data										
14.9.1.3.1 Purpose and characteristics								-	-	-
14.9.1.3.2 Theory of operation								-	-	-
14.9.1.3.3 Perform operational checks								-	-	-
14.9.1.3.4 Troubleshoot to LRUs								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.9.1.3.5 Remove and install LRUs								-	-	-
14.9.1.3.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.4 EHF Group TR: Applicable technical data										
14.9.1.4.1 Purpose and characteristics								-	-	-
14.9.1.4.2 Theory of operation								-	-	-
14.9.1.4.3 Perform operational checks								-	-	-
14.9.1.4.4 Troubleshoot to LRUs								-	-	-
14.9.1.4.5 Remove and install LRUs								-	-	-
14.9.1.4.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.5 International Maritime Satellite System (INMARSAT) TR: 1E-4B-43-2-1 Section 99										
14.9.1.5.1 Purpose and characteristics								-	-	-
14.9.1.5.2 Theory of operation								-	-	-
14.9.1.5.3 Perform operational checks								-	-	-
14.9.1.5.4 Troubleshoot to LRUs								-	-	-
14.9.1.5.5 Remove and install LRUs								-	-	-
14.9.1.5.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.6 UHF SATCOM USC-42 TR: 1E-4B-43-2-1 Section 92										
14.9.1.6.1 Purpose and characteristics								-	-	-
14.9.1.6.2 Theory of operation								-	-	-
14.9.1.6.3 Perform operational checks								-	-	-
14.9.1.6.4 Troubleshoot to LRUs								-	-	-
14.9.1.6.5 Remove and install LRUs								-	-	-
14.9.1.6.6 Troubleshoot to other than LRUs								-	-	-
14.9.1.7 UHF VOSAT TR: 1E-4B-43-2-1 Section 94										
14.9.1.7.1 Purpose and characteristics								-	-	-

## E-4B TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
14.9.1.7.2 Theory of operation								-	-	-
14.9.1.7.3 Perform operational checks								-	-	-
14.9.1.7.4 Troubleshoot to LRUs								-	-	-
14.9.1.7.5 Remove and install LRUs								-	-	-
14.9.1.7.6 Troubleshoot to other than LRUs								-	-	-
14.10 COMMON SUPPORT EQUIPMENT										
14.10.1 Communication System Test Stand (CSTS) AN/GSM-344-A TR: (CSS) AN/GSM-344-A										
14.10.1.1 Purpose and characteristics								-	-	-
14.10.1.2 Theory of operation								-	-	-
14.10.1.3 Perform operational checks	*							-	-	-
14.10.1.4 Basic troubleshooting	*							-	-	-
14.10.1.5 Remove and install LRUs	*							-	-	-
14.10.1.6 Advanced Troubleshooting		*						-	-	-
14.10.2 External VLF/PA Test Load DA-680 TR: 33A7-54-2, Applicable technical data										
14.10.2.1 Inspect								-	-	-
14.10.2.2 Use								-	-	-
14.10.3 Spark Gap Test Set TS-2956/ ARC-96 TR: 33D7-71-12-1, Applicable technical data										
14.10.3.1 Inspect								-	-	-
14.10.3.2 Use								-	-	-
14.10.4 VLF/LF Transmitter Test Set TSM-618 TR: Applicable technical data										
14.10.4.1 Inspect								-	-	-
14.10.4.2 Use								-	-	-

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

**15 Attachment 15 - E-8C Training Requirements**

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-8C aircraft/systems. If E-8C aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

<b>15.1 GENERAL ORGANIZATIONAL MAINTENANCE</b> TR: Applicable E-8 Technical Orders										
15.1.1 Airframe familiarization								-	-	-
15.1.1.1 Perform aircraft safe for maintenance	*							-	-	-
15.1.1.2 Major structural areas								-	-	-
15.1.1.3 Major systems								-	-	-
15.1.1.4 Aircraft Egress procedures								-	-	-
<b>15.2 GENERAL MAINTENANCE TASKS</b> TR: Applicable E-8 Technical Orders										
15.2.1 Technical order familiarization								-	-	-
15.2.2 Flightline safety/precautions/security								-	-	-
15.2.3 Inspect/operate portable external electrical power unit								-	-	-
15.2.4 Inspect/use ground maintenance stands								-	-	-
15.2.5 Dropped object prevention program (DOPP)								-	-	-
15.2.6 Defensive systems (DS) familiarization (on applicable aircraft)								-	-	-
15.2.7 Statically ground aircraft								-	-	-
15.2.8 Apply/disconnect external electrical power unit								-	-	-
15.2.9 Apply external mission power	*							-	-	-

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.2.10 Apply external cooling air	*							-	-	-
15.2.11 Open/close nose radome	*							-	-	-
15.2.12 Perform aircraft wash								-	-	-
15.2.13 Jack aircraft TR: Applicable E-8 Technical Orders										
15.2.13.1 Jacking supervisor								-	-	-
15.2.13.2 Jacking team member								-	-	-
15.2.14 Perform refuel/defuel team member duties								-	-	-
15.2.15 Open and close engine cowling								-	-	-
15.2.16 Remove and install aircraft maintenance access panels								-	-	-
15.2.17 Perform aircraft marshalling procedures								-	-	-
15.2.18 Tow aircraft TR: Applicable E-8 Technical Orders										
15.2.18.1 Perform wing/tail walker duties								-	-	-
15.2.18.2 Brake operator								-	-	-
15.3 COMMUNICATIONS SYSTEMS										
15.3.1 Audio Integration Subsystem AIC-25 TR: Applicable E-8 Technical Orders										
15.3.1.1 Purpose and characteristics								-	-	-
15.3.1.2 Theory of operation								-	-	-
15.3.1.3 Perform operational checks	*							-	-	-
15.3.1.4 Isolate malfunctions		*						-	-	-
15.3.1.5 Remove and install LRUs		*						-	-	-
15.3.1.6 Remove and install LRMs								-	-	-
15.3.1.7 Inspect installed equipment								-	-	-
15.3.2 Public Address System TR: Applicable E-8 Technical Orders										

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.3.2.1 Purpose and characteristics								-	-	-
15.3.2.2 Theory of operation								-	-	-
15.3.2.3 Perform operational checks								-	-	-
15.3.2.4 Isolate malfunctions								-	-	-
15.3.2.5 Remove and install LRUs								-	-	-
15.3.2.6 Inspect installed equipment								-	-	-
15.3.3 HF Communications System ARC-190 TR: Applicable E-8 Technical Orders										
15.3.3.1 Purpose and characteristics								-	-	-
15.3.3.2 Theory of operation								-	-	-
15.3.3.3 Perform operational checks	*							-	-	-
15.3.3.4 Isolate malfunctions		*						-	-	-
15.3.3.5 Remove and install HF Coupler	*							-	-	-
15.3.3.6 Remove and install LRUs	*							-	-	-
15.3.3.7 Inspect installed equipment		*						-	-	-
15.3.4 UHF Communication System ARC-225 TR: Applicable E-8 Technical Orders										
15.3.4.1 Purpose and characteristics								-	-	-
15.3.4.2 Theory of operation								-	-	-
15.3.4.3 Perform operational checks								-	-	-
15.3.4.3.1 LOS	*							-	-	-
15.3.4.3.2 HAVE QUICK								-	-	-
15.3.4.4 Isolate malfunctions		*						-	-	-
15.3.4.5 Remove and install LRUs	*							-	-	-
15.3.4.6 Remove and install LRMs								-	-	-
15.3.4.7 Inspect installed equipment								-	-	-

## E-8C TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.3.5 VHF AM/FM Communication Systems TR: Applicable E-8 Technical Orders										
15.3.5.1 Purpose and characteristics								-	-	-
15.3.5.2 Theory of operation								-	-	-
15.3.5.3 Perform operational checks	*							-	-	-
15.3.5.4 Isolate malfunctions		*						-	-	-
15.3.5.5 Remove and install LRUs	*							-	-	-
15.3.5.6 Remove and install LRMs								-	-	-
15.3.5.7 Inspect installed equipment								-	-	-
15.3.5.8 ARC-186/Chelton Antenna System								-	-	-
15.3.6 SATCOM TR: Applicable E-8 Technical Orders										
15.3.6.1 Purpose and characteristics								-	-	-
15.3.6.2 Theory of operation								-	-	-
15.3.6.3 Perform operational checks								-	-	-
15.3.6.4 Isolate malfunctions								-	-	-
15.3.6.5 Remove and install LRUs								-	-	-
15.3.6.6 Inspect Installed equipment								-	-	-
15.3.7 Emergency Communication Systems										
15.3.7.1 Crash Position Indicator/Locator (CPI/CPL) Emergency Locator Transmitter (ELT) TR: Applicable E-8 Technical Orders										
15.3.7.1.1 Purpose and characteristics								-	-	-
15.3.7.1.2 Theory of operation								-	-	-
15.3.7.1.3 Perform operational checks								-	-	-
15.3.7.1.4 Isolate malfunctions								-	-	-
15.3.7.1.5 Remove and install LRUs								-	-	-

## E-8C TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.3.7.1.6 Inspect installed equipment								-	-	-
15.3.7.2 Underwater Acoustical Beacon (UAB) TR: Applicable E-8 Technical Orders										
15.3.7.2.1 Purpose and characteristics								-	-	-
15.3.7.2.2 Theory of operation								-	-	-
15.3.7.2.3 Perform operational checks								-	-	-
15.3.7.2.4 Isolate malfunctions								-	-	-
15.3.7.2.5 Remove and install LRUs								-	-	-
15.3.7.2.6 Inspect installed equipment								-	-	-
15.3.7.3 Cockpit Voice Recorder (CVR) TR: Applicable E-8 Technical Orders										
15.3.7.3.1 Purpose and characteristics								-	-	-
15.3.7.3.2 Theory of operation								-	-	-
15.3.7.3.3 Perform operational checks								-	-	-
15.3.7.3.4 Isolate malfunctions								-	-	-
15.3.7.3.5 Remove and install LRUs								-	-	-
15.3.7.3.6 Inspect installed equipment								-	-	-
15.3.8 Secure Data Systems										-
15.3.8.1 Secure Data Unit KGV-8 TR: Applicable E-8 Technical Orders										
15.3.8.1.1 Purpose and characteristics								-	-	-
15.3.8.1.2 Theory of operation								-	-	-
15.3.8.1.3 Perform operational checks	*							-	-	-
15.3.8.1.4 Isolate malfunctions								-	-	-
15.3.8.1.5 Remove and install LRUs								-	-	-
15.3.8.1.6 Inspect installed equipment								-	-	-

## E-8C TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.3.8.2 WBSV KY-58 TR: Applicable E-8 Technical Orders										
15.3.8.2.1 Purpose of characteristics								-	-	-
15.3.8.2.2 Theory of operation								-	-	-
15.3.8.2.3 Perform operational checks								-	-	-
15.3.8.2.4 Isolate malfunctions								-	-	-
15.3.8.2.5 Remove and install LRUs								-	-	-
15.3.8.2.6 Inspect installed equipment								-	-	-
15.3.8.3 NBSV (ANDVT) TR: Applicable E-8 Technical Orders										
15.3.8.3.1 Purpose and characteristics								-	-	-
15.3.8.3.2 Theory of operation								-	-	-
15.3.8.3.3 Perform operational checks								-	-	-
15.3.8.3.4 Isolate malfunctions								-	-	-
15.3.8.3.5 Remove and install LRUs								-	-	-
15.3.8.3.6 Inspect installed equipment								-	-	-
15.4 NAVIGATION SYSTEMS										
15.4.1 IFF Transponders APX-101 TR: Applicable E-8 Technical Orders										
15.4.1.1 Purpose and characteristics								-	-	-
15.4.1.2 Theory of operation								-	-	-
15.4.1.3 Perform operational checks	*							-	-	-
15.4.1.4 Isolate malfunctions		*						-	-	-
15.4.1.5 Remove and install LRUs	*							-	-	-
15.4.1.6 Inspect installed equipment		*						-	-	-
15.4.2 IFF Mode IV Computer KIT-1C TR: Applicable E-8 Technical Orders										
15.4.2.1 Purpose and characteristics								-	-	-

## E-8C TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.4.2.2 Theory of operation								-	-	-
15.4.2.3 Purpose of operational checks	*							-	-	-
15.4.2.4 Isolate malfunctions		*						-	-	-
15.4.2.5 Remove and install LRUs	*							-	-	-
15.4.2.6 Inspect installed equipment	*							-	-	-
15.4.3 Low Range Radio Altimeter (LRRAL) AI-101A TR: Applicable E-8 Technical Order										
15.4.3.1 Purpose and characteristics								-	-	-
15.4.3.2 Theory of operation								-	-	-
15.4.3.3 Perform operational checks								-	-	-
15.4.3.4 Isolate Malfunctions								-	-	-
15.4.3.5 Remove and install LRUs								-	-	-
15.4.3.6 Inspect installed equipment								-	-	-
15.4.4 Tactical Air Navigation (TACAN) ARN-153 TR: Applicable E-8 Technical Orders										
15.4.4.1 Purpose and characteristics								-	-	-
15.4.4.2 Theory of operation								-	-	-
15.4.4.3 Perform operational checks								-	-	-
15.4.4.4 Isolate malfunctions								-	-	-
15.4.4.5 Remove and install LRUs								-	-	-
15.4.4.6 Inspect installed equipment								-	-	-
15.4.5 Inertial Navigation Systems (INS) TR: Applicable E-8 Technical Orders										
15.4.5.1 Purpose and characteristics								-	-	-
15.4.5.2 Theory of operation								-	-	-
15.4.5.3 Perform operational checks	*							-	-	-

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
15.4.5.4 Isolate malfunctions		*						-	-	-
15.4.5.5 Remove and install LRUs	*							-	-	-
15.4.5.6 Inspect installed equipment								-	-	-
15.4.6 VOR/ILS ARN-147 TR: Applicable E-8 Technical Orders										
15.4.6.1 Purpose and characteristics								-	-	-
15.4.6.2 Theory of operation								-	-	-
15.4.6.3 Perform operational checks								-	-	-
15.4.6.4 Isolate malfunctions								-	-	-
15.4.6.5 Remove and install LRUs								-	-	-
15.4.6.6 Inspect installed equipment								-	-	-
15.4.7 ADF DFA-73 TR: Applicable E-8 Technical Orders										
15.4.7.1 Purpose and characteristics								-	-	-
15.4.7.2 Theory of operation								-	-	-
15.4.7.3 Perform operational checks								-	-	-
15.4.7.4 Isolate malfunctions								-	-	-
15.4.7.5 Remove and install LRUs								-	-	-
15.4.7.6 Inspect installed equipment								-	-	-
15.4.8 Rendezvous Beacon APX-78 TR: Applicable E-8 Technical Orders										-
15.4.8.1 Purpose and characteristics								-	-	-
15.4.8.2 Theory of operation								-	-	-
15.4.8.3 Perform operational checks								-	-	-
15.4.8.4 Isolate malfunctions								-	-	-
15.4.8.5 Remove and install LRUs								-	-	-
15.4.8.6 Inspect installed equipment								-	-	-

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.4.9 Global Positioning System (GPS) TR: Applicable E-8 Technical Orders										
15.4.9.1 Purpose and characteristics								-	-	-
15.4.9.2 Theory of operation								-	-	-
15.4.9.3 Perform operational checks	*							-	-	-
15.4.9.4 Isolate malfunctions		*						-	-	-
15.4.9.5 Remove and install LRUs	*							-	-	-
15.4.9.6 Inspect installed equipment		*						-	-	-
15.5 RADAR SYSTEMS										-
15.5.1 Search and Weather Radar APS-133 TR: Applicable E-8 Technical Orders										
15.5.1.1 Purpose and characteristics								-	-	-
15.5.1.2 Theory of operation								-	-	-
15.5.1.3 Perform operational checks	*							-	-	-
15.5.1.4 Isolate malfunctions		*						-	-	-
15.5.1.5 Remove and install LRUs	*							-	-	-
15.5.1.6 Inspect installed equipment		*						-	-	-
15.6 MISSION SYSTEMS										
15.6.1 Joint Integrated Maintenance Information System (JIMIS) TR: Applicable E-8 Technical Orders										
15.6.1.1 Purpose and characteristics								-	-	-
15.6.1.2 Theory of operation								-	-	-
15.6.1.3 System use								-	-	-
15.6.1.4 Submit changes								-	-	-
15.6.2 Prepare Aircraft for Communication/ Navigation Systems Maintenance TR: Applicable E-8 Technical Orders										

## E-8C TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
15.6.2.1 Perform O&C Computer initialization/ shutdown	*							-	-	-
15.6.2.2 Perform Communication System Initialization	*							-	-	-
15.6.3 Operator Work Station (OWS) TR: Applicable E-8 Technical Orders										
15.6.3.1 Purpose and characteristics								-	-	-
15.6.3.2 Theory of operations								-	-	-
15.6.3.3 Perform operational control of a signed systems								-	-	-
15.6.4 Joint Tactical Information Distribution System (JTIDS) TR: Applicable E-8 Technical Orders										
15.6.4.1 Purpose and characteristics								-	-	-
15.6.4.2 Theory of operation								-	-	-
15.6.4.3 Perform operational checks	*							-	-	-
15.6.4.4 Isolate malfunctions		*						-	-	-
15.6.4.5 Remove and install LRUs	*							-	-	-
15.6.4.6 Remove and install LRMs								-	-	-
15.6.4.7 Inspect installed equipment	*							-	-	-
15.6.5 Surveillance Control Data Link (SCDL) TR: Applicable E-8										
15.6.5.1 Purpose and characteristics								-	-	-
15.6.5.2 Theory of operation								-	-	-
15.6.5.3 Perform operational checks	*							-	-	-
15.6.5.4 Isolate malfunctions		*						-	-	-
15.6.5.5 Remove and install LRUs	*							-	-	-
15.6.5.6 Remove and install LRMs								-	-	-
15.6.5.7 Inspect installed equipment		*						-	-	-
15.6.6 Flight Management Systems FMS-800 TR: Applicable E-8 Technical Orders										

## E-8C TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
15.6.6.1 Purpose and characteristics								-	-	-
15.6.6.2 Theory of operation								-	-	-
15.6.6.3 Perform operational checks	*							-	-	-
15.6.6.4 Isolate malfunctions		*						-	-	-
15.6.6.5 Remove and install LRUs	*							-	-	-
15.6.6.6 Remove and install LRMs								-	-	-
15.6.6.7 Inspect installed equipment								-	-	-



## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

<p>16 Attachment 16 - HH-60(M)G Training Requirements</p> <p>NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.</p> <p>NOTE 2: All course requirements are trained in the 3-level resident course during wartime.</p> <p>NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.</p> <p>NOTE 5: Items coded in column 4A will be trained using HH-60(H) G aircraft/systems. If HH-60(M)G aircraft/systems are unavailable, representative systems from other aircraft may be used.</p> <p>NOTE 6: Address Comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.</p>										
16.1 GENERAL ORGANIZATIONAL MAINTENANCE TR: 1H-60(H)G-2-11/12/13										
16.1.1 Introduction to aircraft/airframe familiarization								-	-	-
16.1.1.1 Major structural areas								-	-	-
16.1.1.2 Major aircraft systems								-	-	-
16.1.1.3 Aircraft egress procedures								-	-	-
16.2 GENERAL MAINTENANCE TASKS TR: 00-20 Series, 1H-60(H)G-2-11/12/13										
16.2.1 Technical order familiarization								-	-	-
16.2.2 Flightline safety/precautions/security								-	-	-
16.2.3 Inspect/operate external electrical power unit								-	-	-
16.2.4 Apply/disconnect external electrical power unit to/ from aircraft	*							-	-	-
16.2.5 Ensure aircraft is safe for maintenance	*							-	-	-
16.2.6 Inspect/use ground maintenance stands								-	-	-
16.2.7 Dropped object prevention program (DOPP)								-	-	-
16.2.8 Defensive systems (DS) familiarization on applicable aircraft								-	-	-
16.2.9 Statically ground aircraft								-	-	-
16.2.10 Perform aircraft wash								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.2.11 Jack Aircraft										
16.2.11.1 Jack team member								-	-	-
16.2.11.2 Jack team supervisor								-	-	-
16.2.12 Refuel/defuel aircraft										
16.2.12.1 Refuel/defuel team member								-	-	-
16.2.12.2 Refuel/defuel supervisor								-	-	-
16.2.13 Open and close engine cowling								-	-	-
16.2.14 Remove and install aircraft maintenance access panels								-	-	-
16.2.15 Remove and install aircraft equipment racks								-	-	-
16.2.16 Perform aircraft marshalling procedures								-	-	-
16.2.17 Tow Aircraft										
16.2.17.1 Perform wing/tail walker duties								-	-	-
16.2.17.2 Brake Operator								-	-	-
16.2.17.3 Tow Vehicle Operator								-	-	-
16.2.17.4 Tow Supervisor								-	-	-
16.2.18 Fold/Unfold Helicopter										
16.2.18.1 Aircraft tear down								-	-	-
16.2.18.2 Aircraft build up								-	-	-
16.2.19 Perform aircraft inspections										
16.2.19.1 Special inspections								-	-	-
16.2.19.2 Periodic inspections								-	-	-
16.3 COMMUNICATION SYSTEMS TR: Applicable system Technical Orders										
16.3.1 Interphone Communication System (ICS) TR: 1H-60(H)G-2-11/12/13										
16.3.1.1 General system knowledge								-	-	-
16.3.1.2 Perform operational check	*							-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.3.1.3 Remove and install										
16.3.1.3.1 Junction Box								-	-	-
16.3.1.3.2 Audio Transformer								-	-	-
16.3.1.4 Troubleshoot to LRUs	*							-	-	-
16.3.1.5 Troubleshoot to other than LRUs		*						-	-	-
16.3.2 Cryptographic Devices TR: TM 3155-2USC-43-2, Applicable system Technical Order										
16.3.2.1 Inspect	*							-	-	-
16.3.2.2 Use	*							-	-	-
16.3.2.3 Load	*							-	-	-
16.3.3 Ultra High Frequency (UHF) Radio ARC-164 TR: 1H-60(H)G-2-11/12/13										
16.3.3.1 General system knowledge								-	-	-
16.3.3.2 Perform operational checks										
16.3.3.2.1 Normal	*							-	-	-
16.3.3.2.2 HAVE QUICK	*							-	-	-
16.3.3.3 Troubleshoot to LRUs	*							-	-	-
16.3.3.4 Troubleshoot to other than LRUs		*						-	-	-
16.3.4 Satellite Communication (SATCOM) Systems AN/ ARC-210 TR: 1H-60(H)G-2-11/12/13										
16.3.4.1 General system knowledge								-	-	-
16.3.4.2 Perform operational check	*							-	-	-
16.3.4.3 Load OFF								-	-	-
16.3.4.4 Troubleshoot to LRUs	*							-	-	-
16.3.4.5 Troubleshoot to other than LRUs		*						-	-	-
16.3.4.6 Perform minimum performance checks								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.3.5 Secure Voice Systems TR: 1H-60(H)G-1-11/12/13										
16.3.5.1 KY-58 System										
16.3.5.1.1 General system knowledge								-	-	-
16.3.5.1.2 Perform operational check	*							-	-	-
16.3.5.1.3 Remove and install										
16.3.5.1.3.1 Processor								-	-	-
16.3.5.1.3.2 Retrofit adapter/processor disassembly								-	-	-
16.3.5.1.3.3 Processor Battery								-	-	-
16.3.5.1.4 Troubleshoot to LRUs	*							-	-	-
16.3.5.1.5 Troubleshoot to other than LRUs		*						-	-	-
16.3.5.2 KY-879 Data Burst System TR: 1H-60(M)G-2-11/12/13										
16.3.5.2.1 General system knowledge								-	-	-
16.3.5.2.2 Perform operational check								-	-	-
16.3.5.2.3 Remove and install										
16.3.5.2.3.1 Keyer-Message Device								-	-	-
16.3.5.2.3.2 Radio Set Jumper Cables								-	-	-
16.3.5.2.3.3 Audio Amplifier								-	-	-
16.3.5.2.4 Troubleshoot to LRUs								-	-	-
16.3.5.2.5 Troubleshoot to other than LRUs								-	-	-
16.4 NAVIGATION SYSTEMS TR: Applicable system Technical Orders										
16.4.1 Identification Friend or Foe (IFF) System APX-100 TR: 1H-60(H)G-2-11/12/13										
16.4.1.1 General system knowledge	*							-	-	-
16.4.1.2 Perform operational check	*							-	-	-
16.4.1.3 Remove and install KIT-1C Battery								-	-	-
16.4.1.4 Troubleshoot to LRUs	*							-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.4.1.5 Troubleshoot to other than LRUs		*						-	-	-
16.4.2 Civil Navigation Systems (AN/ARN-123, AN/ARN-147) TR: 1H-60(M)G-2-11/12/13										
16.4.2.1 AN/ARN-123								-	-	-
16.4.2.1.1 General system knowledge								-	-	-
16.4.2.1.2 Perform operational check								-	-	-
16.4.2.1.3 Remove and install Glide Slope Antenna								-	-	-
16.4.2.1.4 Troubleshoot to LRUs								-	-	-
16.4.2.1.5 Troubleshoot to other than LRUs								-	-	-
16.4.2.1.6 Perform minimum performance checks								-	-	-
16.4.2.2 AN/ARN-147 System										
16.4.2.2.1 General system knowledge								-	-	-
16.4.2.2.2 Perform operational check								-	-	-
16.4.2.2.3 Remove and install Glide Slope Antenna								-	-	-
16.4.2.2.4 Troubleshoot to LRUs								-	-	-
16.4.2.2.5 Troubleshoot to other than LRUs								-	-	-
16.4.3 Tactical Air Navigation (TACAN) System ARN-118 TR: 1H-60(H)G-2-11/12/13										
16.4.3.1 General system knowledge								-	-	-
16.4.3.2 Perform operational check								-	-	-
16.4.3.3 Troubleshoot to LRUs								-	-	-
16.4.3.4 Troubleshoot to other than LRUs								-	-	-
16.4.4 Inertial Navigation System (INS) TR: 1H-60(H)G-2-11/12/13										-
16.4.4.1 General system knowledge								-	-	-
16.4.4.2 Perform operational check	*							-	-	-
16.4.4.3 Remove and install INU cooling fan								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.4.4.4 Troubleshoot to LRUs	*							-	-	-
16.4.4.5 Troubleshoot to other than LRUs		*						-	-	-
16.4.4.6 Perform minimum performance checks								-	-	-
16.4.5 Global Positioning System (GPS) AN/ARN-151 TR: 1H-60(M)G-2-11/12/13										
16.4.5.1 General system knowledge								-	-	-
16.4.5.2 Perform operational check	*							-	-	-
16.4.5.3 Remove and install										
16.4.5.3.1 GPS Battery								-	-	-
16.4.5.3.2 Receiver Mount and Harness Assembly								-	-	-
16.4.5.4 Troubleshoot to LRUs								-	-	-
16.4.5.5 Troubleshoot to other than LRUs								-	-	-
16.4.5.6 Perform minimum performance checks								-	-	-
16.4.6 Automatic Direction Finder Systems TR: 1H-60(M)G-2-11/12/13										
16.4.6.1 Automatic Direction Finder (ADF) System ARN-149 TR: 1H--60(H)G-2-11/12/13										
16.4.6.1.1 General system knowledge								-	-	-
16.4.6.1.2 Perform operational check								-	-	-
16.4.6.1.3 Remove and install										
16.4.6.1.3.1 Impedance Matching Amplifier								-	-	-
16.4.6.1.3.2 Sense Antenna								-	-	-
16.4.6.1.4 Troubleshoot to LRUs								-	-	-
16.4.6.1.5 Troubleshoot to other than LRUs								-	-	-
16.4.6.2 UHF Direction Finder (UHF-DF) DF-301E TR: 1H-60(M)G-2-11/12/13										
16.4.6.2.1 General system knowledge								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.4.6.2.2 Perform operational check								-	-	-
16.4.6.2.3 Troubleshoot to LRUs								-	-	-
16.4.6.2.4 Troubleshoot to other than LRUs								-	-	-
16.4.6.2.5 Perform minimum performance checks								-	-	-
16.4.6.3 Lightweight Airborne Recovery System TR: 1H-60(H)G-2-11/12/13										
16.4.6.3.1 General system knowledge								-	-	-
16.4.6.3.2 Perform operational check	*							-	-	-
16.4.6.3.3 Remove and install										
16.4.6.3.3.1 Receiver/Transmitter Mount								-	-	-
16.4.6.3.3.2 UHF Blade Antenna Set								-	-	-
16.4.6.3.3.3 UHF Blade Antenna Mount								-	-	-
16.4.6.3.3.4 Blade Antenna Phase-Matched Cable								-	-	-
16.4.6.3.4 Troubleshoot to LRUs	*									
16.4.6.3.5 Troubleshoot to other than LRUs		*						-	-	-
16.4.7 Doppler Navigation System AN/ASN-137 TR: 1H-60(H)G-2-11/12/13										
16.4.7.1 General system knowledge								-	-	-
16.4.7.2 Perform operational Checks								-	-	-
16.4.7.3 Remove and install battery								-	-	-
16.4.7.4 Troubleshoot to LRUs								-	-	-
16.4.7.5 Troubleshoot to other than LRUs								-	-	-
16.4.8 System Interfaces TR: 1H-60(H)G-2-11/12/13										
16.4.8.1 General system knowledge								-	-	-
16.4.8.2 Operate associated systems as necessary to perform normal maintenance								-	-	-
16.4.8.3 Remove and install										

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.4.8.3.1 Pin Filtered Adapter								-	-	-
16.4.8.3.2 Aircraft Junction Unit								-	-	-
16.4.8.3.3 Navigation System Hardware Controller								-	-	-
16.4.8.4 Troubleshoot to LRUs								-	-	-
16.4.8.5 Troubleshoot to other than LRUs								-	-	-
<b>16.5 RADAR SYSTEMS</b> TR: 1H-60(H)G-2-11/12/13										
<b>16.5.1 Radar Altimeter System APN-209</b> TR: 1H-60(H)G-2-11/12/13										
16.5.1.1 General system knowledge								-	-	-
16.5.1.2 Perform operational check	*							-	-	-
16.5.1.3 Troubleshoot to LRUs	*							-	-	-
16.5.1.4 Troubleshoot to other than LRUs		*						-	-	-
<b>16.5.2 Voice Altitude Warning System (VAWS)</b> TR: 1H-60(H)G-2-11/12/13										
16.5.2.1 General system knowledge								-	-	-
16.5.2.2 Perform operational checks								-	-	-
16.5.2.3 Troubleshoot to LRUs								-	-	-
16.5.2.4 Troubleshoot to other than LRUs								-	-	-
<b>16.5.3 Color Weather Radar (CWR) System AN/APN-239</b> TR: 1H-60(H)G-2-11-12-13										
16.5.3.1 General system knowledge								-	-	-
16.5.3.2 Perform operational check								-	-	-
<b>16.5.3.3 Remove and install</b>										
16.5.3.3.1 Antenna								-	-	-
16.5.3.3.2 Antenna Drive Unit								-	-	-
16.5.3.3.3 Isolation Transformer								-	-	-
16.5.3.3.4 Waveguide								-	-	-
16.5.3.3.5 Radar Indicator								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.5.3.4 Troubleshoot to LRUs								-	-	-
16.5.3.5 Troubleshoot to other than LRUs								-	-	-
16.6 MISSION SYSTEMS TR: 1H-60(H)G-2-11/12/13										
16.6.1 AN/AAQ-16 FLIR System TR: 1H-60(H)G-2-11/12/13										
16.6.1.1 General system knowledge								-	-	-
16.6.1.2 Perform operational check	*							-	-	-
16.6.1.3 Remove and install Turret FLIR Unit								-	-	-
16.6.1.4 Troubleshoot to LRUs	*							-	-	-
16.6.1.5 Troubleshoot to other than LRUs		*						-	-	-
16.6.2 AN/AAQ-22 FLIR System										
16.6.2.1 General system knowledge								-	-	-
16.6.2.2 Perform operational check	*							-	-	-
16.6.2.3 Perform Vacuum Check								-	-	-
16.6.2.4 TPU Scan Cavity Evacuation	*							-	-	-
16.6.2.5 Remove and install Turret FLIR Unit								-	-	-
16.6.2.6 Troubleshoot to LRUs	*							-	-	-
16.6.2.7 Troubleshoot to other than LRUs		*						-	-	-
16.6.2.8 Perform minimum performance checks								-	-	-
16.6.3 AN/AAQ-29 FLIR System										
16.6.3.1 General system knowledge								-	-	-
16.6.3.2 Perform operational check	*							-	-	-
16.6.3.3 Remove and install Turret FLIR Unit	*							-	-	-
16.6.3.4 Troubleshoot to LRUs	*							-	-	-
16.6.3.5 Troubleshoot to other than LRUs		*						-	-	-
16.6.3.6 Perform minimum performance checks								-	-	-

## HH-60(M)G TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
16.6.4 Multi-mission Advanced Tactical Terminal TR: 1H-60(H)G-2-122/12/13										
16.6.4.1 General system knowledge								-	-	-
16.6.4.2 Perform operational check								-	-	-
16.6.4.3 Load Operational Flight Program (OFP) on the Tactical Terminal								-	-	-
16.6.4.4 Troubleshoot to LRUs								-	-	-
16.6.4.5 Troubleshoot to other than LRUs								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC

Attachment 17 - SOF Training Requirements

NOTE 1: The apprentice course, J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, will use representative aircraft/trainers to accomplish systems specific training requirements as identified by the specific STS. The common sections of the DFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A and 2B with an \*/R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using Special Operations Forces aircraft/systems. If Special Operations Forces aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manger at DSN 736-7891.

17.1 AC-130H ON-EQUIPMENT MAINTENANCE										
17.1.1 GENERAL ORGANIZATION MAINTENANCE										
17.1.1.1 Aircraft Familiarization								-	-	-
17.1.1.2 Major Structure Areas								-	-	-
17.1.1.3 Major Systems								-	-	-
17.1.2 GENERAL MAINTENANCE TASKS										
17.1.2.1 Technical order familiarization								-	-	-
17.1.2.2 Flightline safety/precautions/security	*							-	-	-
17.1.2.3 Introduction to aircraft/airframe familiarization								-	-	-
17.1.2.4 Ensure Aircraft is safe form maintenance	*							-	-	-
17.1.2.5 Inspect/operate portable external electrical power unit								-	-	-
17.1.2.6 Inspect/use ground maintenance stands								-	-	-
17.1.2.7 Dropped object prevention program (DOPP)								-	-	-
17.1.2.8 Statically ground aircraft								-	-	-
17.1.2.9 Apply/disconnect external electrical power unit	*							-	-	-
17.1.2.10 Perform aircraft wash								-	-	-
17.1.2.11 Refuel/Defuel Team Member Duties										
17.1.2.11.1 Refuel/Defuel supervisor								-	-	-
17.1.2.11.2 SPR Panel operator								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.2.11.3 Flight deck fuel panel operator								-	-	-
17.1.2.12 Open and close engine cowling								-	-	-
17.1.2.13 Remove and install (R&I) aircraft maintenance access panels								-	-	-
17.1.2.14 Open and close Nose Radome								-	-	-
17.1.2.15 Open and Close APQ-150 Radome and Fairing								-	-	-
17.1.2.16 Perform aircraft marshaling								-	-	-
17.1.2.17 Tow aircraft										
17.1.2.17.1 Perform wing/tail walker duties								-	-	-
17.1.2.17.2 Brake operator								-	-	-
17.1.2.18 Jack aircraft										
17.1.2.18.1 Jacking team supervisor								-	-	-
17.1.2.18.2 Jacking team member								-	-	-
17.1.2.19 Operate GTC								-	-	-
17.1.3 COMMUNICATIONS SYSTEMS										
17.1.3.1 AN/AIC 38 Interphone TR: 1C-130(A)H-2-23JG-40-1, 1C-130(A)H-2-23FI-40-1, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.1.1 Perform operational check	*							-	-	-
17.1.3.1.2 Remove and install										
17.1.3.1.2.1 Crew Station Unit (CSU)								-	-	-
17.1.3.1.2.2 Emergency Audio Panel (EAP)								-	-	-
17.1.3.1.2.3 Digital Switching Unit (DSU)								-	-	-
17.1.3.1.2.4 Communication Control Unit								-	-	-
17.1.3.1.2.5 Inter/MIC Control Switch (CCU)								-	-	-
17.1.3.1.2.6 Foot Switch								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
17.1.3.1.2.7 Communication Cord								-	-	-
17.1.3.1.3 Fault isolation								-	-	-
17.1.3.1.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.1.5 Perform Phase Inspection								-	-	-
17.1.3.2 AN/ARC-190 HF Communications TR: 1C-130(A)H-2-23JG-10-1, 1C-130(A)H-2-23FI-10-1, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.2.1 Perform operational check	*							-	-	-
17.1.3.2.2 Remove and install									-	
17.1.3.2.2.1 Receiver/Transmitter								-	-	-
17.1.3.2.2.2 Receiver/Transmitter Mount								-	-	-
17.1.3.2.2.3 Control Box								-	-	-
17.1.3.2.2.4 Automatic Control Processor								-	-	-
17.1.3.2.2.5 Automatic Coupler								-	-	-
17.1.3.2.2.6 Antenna Mast/Lightening Arrestor								-	-	-
17.1.3.2.2.7 External Wire Antenna								-	-	-
17.1.3.2.3 Fault isolation								-	-	-
17.1.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.2.5 Perform Phase Inspection								-	-	-
17.1.3.3 AN/ARC-222 VHF Communications TR: 1C-130(A)H-2-23JG-20-2, 1C-130(A)H-2-23FI-20-2, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.3.1 Perform operational check								-	-	-
17.1.3.3.2 Remove and install										
17.1.3.3.2.1 Receiver/Transmitter								-	-	-
17.1.3.3.2.2 Antennas								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.3.3.2.3 Logic Control Unit (LCU)								-	-	-
17.1.3.3.2.4 Radio Control Set (RCS)								-	-	-
17.1.3.3.2.5 Signal Data Comparator (SDC) (VHF#1)								-	-	-
17.1.3.3.3 Fault Isolation								-	-	-
17.1.3.3.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.3.5 Perform Phase Inspection								-	-	-
17.1.3.4 AN/ARC-164 UHF Communications TR: 1C-130(A)H-2-23JG-20-1, 1C-130(A)H-2-23FI-10-1, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.4.1 Perform operational check	*							-	-	-
17.1.3.4.2 Remove and install										
17.1.3.4.2.1 Receiver/Transmitter								-	-	-
17.1.3.4.2.2 Antennas								-	-	-
17.1.3.4.2.3 Control Panel								-	-	-
17.1.3.4.2.4 Antenna Switching Unit								-	-	-
17.1.3.4.2.5 Antenna Selector Panel								-	-	-
17.1.3.4.3 Fault isolation								-	-	-
17.1.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.4.5 Perform Phase Inspection								-	-	-
17.1.3.5 TSEC/KY-58 UHF/VHF Secure Speech TR: 1C-130(A)H-2-23JG-20-3, 1C-130(A)H-2-23FI-20-3, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.5.1 Perform operational check	*							-	-	-
17.1.3.5.2 Remove and install										
17.1.3.5.2.1 Processor								-	-	-
17.1.3.5.2.2 Adapter Interface								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.3.5.2.3 Processor Battery								-	-	-
17.1.3.5.2.4 Remote Control Unit (RCU)								-	-	-
17.1.3.5.3 Fault isolation								-	-	-
17.1.3.5.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.5.5 Perform Phase Inspection								-	-	-
17.1.3.6 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-130(A)H-2-23JG-20-3, 1C-130(A)H-2-23FI-20-3, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.6.1 Perform operational check	*							-	-	-
17.1.3.6.2 Remove and install										
17.1.3.6.2.1 Basic Terminal Unit (BTU)								-	-	-
17.1.3.6.2.2 COMSEC Module (KYV-5)								-	-	-
17.1.3.6.2.3 ANDVT Fill Battery								-	-	-
17.1.3.6.2.4 Split Remote Control unit (SRCU)								-	-	-
17.1.3.6.3 Fault Isolation								-	-	-
17.1.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.6.5 Perform Phase Inspection								-	-	-
17.1.3.7 AN/ARC-187 Satellite Communications TR: 1C-130(A)H-2-23JG-30-2, 1C-130(A)H-23FI-30-2, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.3.7.1 Perform operational checks	*							-	-	-
17.1.3.7.2 Remove and install										
17.1.3.7.2.1 Receiver/Transmitter								-	-	-
17.1.3.7.2.2 Receiver/Transmitter Mount								-	-	-
17.1.3.7.2.3 Antenna								-	-	-
17.1.3.7.2.4 Preamplifier								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.3.7.2.5 Radio Set Controller								-	-	-
17.1.3.7.2.6 Interface Unit								-	-	-
17.1.3.7.2.7 DAMA Modem								-	-	-
17.1.3.7.2.8 Modem Mount								-	-	-
17.1.3.7.2.9 Modem Control Indicator								-	-	-
17.1.3.7.2.10 VDC-300 Data Controller								-	-	-
17.1.3.7.2.11 Operator Auxiliary Panel								-	-	-
17.1.3.7.2.12 Data I/O Device (Laptop)								-	-	-
17.1.3.7.3 Fault isolation								-	-	-
17.1.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.7.5 Perform Phase Inspection								-	-	-
17.1.3.8 Model A100 Flight Voice Recorder TR: 1C-130H-2-31JG-30-1-1, 1C-130H-2-31FI-00-1, 1C-130B-2-13										
17.1.3.8.1 Perform operational checks								-	-	-
17.1.3.8.2 Remove and install										
17.1.3.8.2.1 Voice Recorder								-	-	-
17.1.3.8.2.2 Control Unit								-	-	-
17.1.3.8.2.3 Test Switch								-	-	-
17.1.3.8.2.4 Auxiliary Area Microphone								-	-	-
17.1.3.8.3 Fault isolation								-	-	-
17.1.3.8.4 Aircraft Avionic Systems Integration								-	-	-
17.1.3.8.5 Perform Phase Inspection								-	-	-
17.1.3.9 Underwater Locator Beacon (ULB) TR: 1C-130H-2-25JG-00-1, 1C-130H-2-25FI-00-1, 1C-130B-2-13										
17.1.3.9.1 Perform operational check								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.3.9.2 Remove and install										
17.1.3.9.2.1 Underwater Locator Beacon								-	-	-
17.1.3.9.2.2 Battery								-	-	-
17.1.3.9.3 Fault isolation								-	-	-
17.1.3.9.4 Aircraft Avionic System Integration								-	-	-
17.1.3.9.5 Perform Phase Inspection								-	-	-
17.1.4 NAVIGATION SYSTEMS										
17.1.4.1 AN/APX-72 Identification Friend or Foe (IFF) TR: 1C-130(A)H-2-34JG-50-8, 1C-130(A)H-2-34FI-50-8, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.1.1 Perform operational checks	*							-	-	-
17.1.4.1.2 Remove and install										
17.1.4.1.2.1 Control Panel								-	-	-
17.1.4.1.2.2 Receiver/Transmitter								-	-	-
17.1.4.1.2.3 Antennas								-	-	-
17.1.4.1.2.4 Mode 4 Computer								-	-	-
17.1.4.1.2.5 Mode 4 Battery								-	-	-
17.1.4.1.2.6 Antenna Switch and Caution Light Panel								-	-	-
17.1.4.1.2.7 Antenna Switching Unit								-	-	-
17.1.4.1.2.8 Transponder Test Set								-	-	-
17.1.4.1.3 Fault isolation								-	-	-
17.1.4.1.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.1.5 Perform Phase Inspection								-	-	-
17.1.4.2 AN/ARS-6 Personnel Locator System TR: 1C-130(A)H-2-34JG-50-9, 1C-130(A)H-2-34FI-50-9, 1C-130(A)H-2-8, 1C-130(A)H-2-13										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.4.2.1 Perform operational check								-	-	-
17.1.4.2.2 Remove and install										
17.1.4.2.2.1 Receiver								-	-	-
17.1.4.2.2.2 Antenna								-	-	-
17.1.4.2.2.3 Antenna Switching Unit (ASU)								-	-	-
17.1.4.2.3 Fault isolation								-	-	-
17.1.4.2.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.2.5 Perform Phase Inspection								-	-	-
17.1.4.3 AN/ARN-147 VOR/ILS/MB TR: 1C-130(A)H-2-34JG-50-2, 1C-130(A)H-2-34FI-50-2, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.3.1 Perform operational check								-	-	-
17.1.4.3.2 Remove and install										
17.1.4.3.2.1 Receiver/Transmitter								-	-	-
17.1.4.3.2.2 Control Panel								-	-	-
17.1.4.3.2.3 VOR Antenna								-	-	-
17.1.4.3.2.4 GS Antenna								-	-	-
17.1.4.3.2.5 MB Antenna								-	-	-
17.1.4.3.2.6 MB Panel								-	-	-
17.1.4.3.3 Fault isolation								-	-	-
17.1.4.3.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.3.5 Perform Phase Inspection								-	-	-
17.1.4.4 AN/ARN-118 Tactical Air Navigation (TACAN) TR: 1C-130(A)H-2-34JG-50-1, 1C-130(A)H-2-34FI-50-1, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.4.1 Perform operational checks								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.4.4.2 Remove and install										
17.1.4.4.2.1 Receiver/Transmitter								-	-	-
17.1.4.4.2.2 Receiver/Transmitter Monitor								-	-	-
17.1.4.4.2.3 Control Panel								-	-	-
17.1.4.4.2.4 D/A Converter (MX Adapter)								-	-	-
17.1.4.4.2.5 Coupler								-	-	-
17.1.4.4.2.6 Antennas										
17.1.4.4.3 Fault isolation								-	-	-
17.1.4.4.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.4.5 Perform Phase Inspection								-	-	-
17.1.4.5 Inertial Navigation System (INS) TR: 1C-130(A)H-2-34JG-40-1, 1C-130(A)H-2-34FI-40-1, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.5.1 Perform operational checks								-	-	-
17.1.4.5.2 Remove and install										
17.1.4.5.2.1 INU								-	-	-
17.1.4.5.2.2 INU Mount								-	-	-
17.1.4.5.2.3 Auxiliary Battery Volt Meter Panel								-	-	-
17.1.4.5.2.4 INU Battery								-	-	-
17.1.4.5.2.5 INU Fan								-	-	-
17.1.4.5.3 Fault Isolation								-	-	-
17.1.4.5.4 Aircraft Avionics Systems Integration								-	-	-
17.1.4.5.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.4.6 AN/ARN-151 Global Positioning System (GPS) TR: 1C-130(A)H-2-34JG-40-7, 1C-130(A)H-2-34FI-50-7, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.6.1 Perform operational checks	*							-	-	-
17.1.4.6.2 Remove and install										
17.1.4.6.2.1 Receiver								-	-	-
17.1.4.6.2.2 Receiver Mount								-	-	-
17.1.4.6.2.3 Control Display Unit (CDU)								-	-	-
17.1.4.6.2.4 Antenna								-	-	-
17.1.4.6.2.5 Antenna Controller								-	-	-
17.1.4.6.2.6 Interface Unit								-	-	-
17.1.4.6.2.7 Battery								-	-	-
17.1.4.6.3 Fault isolation								-	-	-
17.1.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.6.5 Perform Phase Inspection								-	-	-
17.1.4.7 AN/ARA-50 UHF Direction Finder TR: 1C-130(A)H-2-34JG-50-3, 1C-130(A)H-2-34FI-50-3, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.7.1 Perform operational checks								-	-	-
17.1.4.7.2 Remove and install										
17.1.4.7.2.1 Antenna								-	-	-
17.1.4.7.2.2 Amplifier Relay								-	-	-
17.1.4.7.2.3 Control Relay								-	-	-
17.1.4.7.3 Fault isolation								-	-	-
17.1.4.7.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.7.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.4.8 AN/ARN-6 Audio Direction Finder (ADF) TR: 1C-130(A)H-2-34JG-50-4, 1C-130(A)H-2-34FI-50-4, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.8.1 Perform operational check								-	-	-
17.1.4.8.2 Remove and install										
17.1.4.8.2.1 Receiver								-	-	-
17.1.4.8.2.2 Tuning-Drive Amplifier								-	-	-
17.1.4.8.2.3 Control Panel								-	-	-
17.1.4.8.2.4 Loop Antenna								-	-	-
17.1.4.8.2.5 Sense Antenna								-	-	-
17.1.4.8.3 Adjust Loop Antenna								-	-	-
17.1.4.8.4 Fault isolation								-	-	-
17.1.4.8.5 Aircraft Avionic Systems Integration								-	-	-
17.1.4.8.6 Perform Phase Inspection								-	-	-
17.1.4.9 AN/APN-218 Doppler Navigation System TR: 1C-130(A)H-2-34JG-40-5, 1C-130(A)H-2-23JG-40-5, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.4.9.1 Perform operational check								-	-	-
17.1.4.9.2 Remove and install										
17.1.4.9.2.1 DVS								-	-	-
17.1.4.9.2.2 GSDAI								-	-	-
17.1.4.9.2.3 Dehydrator								-	-	-
17.1.4.9.3 Fault isolation								-	-	-
17.1.4.9.4 Aircraft Avionic Systems Integration								-	-	-
17.1.4.9.5 Perform Phase Inspection								-	-	-
17.1.5 RADAR SYSTEMS										

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.5.1 AN/APN-59F Search and Weather Radar TR: 1C-130(A)H-2-34JG-40-2, 1C-130(A)H-2-34FI-40-2, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.5.1.1 Perform operational checks								-	-	-
17.1.5.1.2 Remove and install										
17.1.5.1.2.1 Antenna control								-	-	-
17.1.5.1.2.2 Radar Set Control								-	-	-
17.1.5.1.2.3 ECA								-	-	-
17.1.5.1.2.4 Power Supply								-	-	-
17.1.5.1.2.5 Synchronizer								-	-	-
17.1.5.1.2.6 Synchronizer Control								-	-	-
17.1.5.1.2.7 Pilot Indicator								-	-	-
17.1.5.1.2.8 Navigator indicator								-	-	-
17.1.5.1.2.9 Stab Unit (Gyro)								-	-	-
17.1.5.1.2.10 Receiver/Transmitter								-	-	-
17.1.5.1.2.11 Antenna								-	-	-
17.1.5.1.2.12 Fan								-	-	-
17.1.5.1.3 Fault isolation								-	-	-
17.1.5.1.4 Aircraft Avionic Systems Integration								-	-	-
17.1.5.1.5 Perform Phase Inspection								-	-	-
17.1.5.2 APQ-150 Beacon Tracking Radar TR: 1C-130(A)H-2-34JG-50-7, 1C-130(A)H-2-34FI-50-6, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.5.2.1 Perform operational check								-	-	-
17.1.5.2.2 Remove and install										
17.1.5.2.2.1 Control Indicator								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.5.2.2.2 Receiver/Transmitter								-	-	-
17.1.5.2.2.3 Support Housing								-	-	-
17.1.5.2.2.4 Signal Processor								-	-	-
17.1.5.2.2.5 Servo Amplifier Power Supply								-	-	-
17.1.5.2.2.6 Interconnect Box								-	-	-
17.1.5.2.3 Fault isolation								-	-	-
17.1.5.2.4 Aircraft Avionic Systems Integration								-	-	-
17.1.5.2.5 Perform Phase Inspection								-	-	-
17.1.5.3 Waveguide Pressurization System TR: 1C-130(A)H-2-34JG-40-3, 1C-130(A)H-2-34FI-50-3, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.5.3.1 Perform operational check								-	-	-
17.1.5.3.2 Remove and install										
17.1.5.3.2.1 Air Compressor								-	-	-
17.1.5.3.2.2 Pressure Tank								-	-	-
17.1.5.3.2.3 Relief Tank								-	-	-
17.1.5.3.2.4 Regulating Valve								-	-	-
17.1.5.3.2.5 Particulate Filter								-	-	-
17.1.5.3.2.6 Check Valve								-	-	-
17.1.5.3.2.7 Waveguide Pressurization Control Panel								-	-	-
17.1.5.3.2.8 APN-59 Waveguide Pressure Panel								-	-	-
17.1.5.3.2.9 Shutoff Panel								-	-	-
17.1.5.3.2.10 Pressure Switch								-	-	-
17.1.5.3.2.11 Radar Pressure Control Panel								-	-	-
17.1.5.3.2.12 Dehydrator/Desiccant								-	-	-
17.1.5.3.3 Fault isolation								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.5.3.4 Aircraft Avionics Systems Integration								-	-	-
17.1.5.3.5 Perform Phase Inspection								-	-	-
17.1.5.4 AN/APN-232 Combined Altitude Radar Altimeter TR: 1C-130(A)H-2-34JG-40-4, 1C-130(A)H-2-34FI-40-4, 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.5.4.1 Perform operational check	*							-	-	-
17.1.5.4.2 Remove and install										
17.1.5.4.2.1 Receiver/Transmitter								-	-	-
17.1.5.4.2.2 Indicator								-	-	-
17.1.5.4.2.3 Antennas								-	-	-
17.1.5.4.2.4 Signal Data Converter (SDC)								-	-	-
17.1.5.4.3 Adjust Altitude								-	-	-
17.1.5.4.4 Fault isolation								-	-	-
17.1.5.4.5 Aircraft Avionic Systems Integration								-	-	-
17.1.5.4.6 Perform Phase Inspection								-	-	-
17.1.5.5 Interference Blanking Unit (IBU) TR: 1C-130(A)H-2-8, 1C-130(A)H-2-13										
17.1.5.5.1 Perform operational check								-	-	-
17.1.5.5.2 Remove and install IBU								-	-	-
17.1.5.5.3 Fault isolation								-	-	-
17.1.5.5.4 Aircraft Avionic Systems Integration								-	-	-
17.1.5.5.5 Perform Phase Inspection								-	-	-
17.1.6 MISSION SYSTEMS										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.6.1 AN/AAQ-26 Infrared Detecting Set TR: 1C-130(A)H-2-93JG-50-1, 1C-130(A)H-2-93FI-50-1, 1C-130(A)H-2-18, 1C-130(A)H-2-14										
17.1.6.1.1 Perform operational checks	*							-	-	-
17.1.6.1.2 Remove and install										
17.1.6.1.2.1 Infrared Receiver								-	-	-
17.1.6.1.2.2 Control Converter								-	-	-
17.1.6.1.2.3 Gimbal Position Control								-	-	-
17.1.6.1.2.4 IR Set Control								-	-	-
17.1.6.1.2.5 Close Out Panel								-	-	-
17.1.6.1.3 Perform Alignments								-	-	-
17.1.6.1.3.1 IR to LLTV								-	-	-
17.1.6.1.3.2 IR to Hardpoint								-	-	-
17.1.6.1.4 Perform IDS Window Cleaning								-	-	-
17.1.6.1.5 Fault isolation								-	-	-
17.1.6.1.6 Aircraft Avionic Systems Integration								-	-	-
17.1.6.1.7 Perform Phase Inspection								-	-	-
17.1.6.2 ANASQ-145 Low Light Level Television (LLTV) System TR: 1C-130(A)H-2-93JG-20-1-1, -20-1-2, 1C-130(A)H-2-93FI-20-1, 1C-130(A)H-2-13, 1C-130(A)H-2-14										
17.1.6.2.1 Perform operational checks										
17.1.6.2.1.1 WTV Camera System Checkout								-	-	-
17.1.6.2.1.2 NTV Camera System Checkout								-	-	-
17.1.6.2.1.3 Filter/Focus Checkout								-	-	-
17.1.6.2.1.4 Camera System Checkout								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.6.2.1.5 Video System Checkout								-	-	-
17.1.6.2.1.6 Laser Illuminator Checkout								-	-	-
17.1.6.2.2 Perform tests										
17.1.6.2.2.1 WTV Camera Collimator Test								-	-	-
17.1.6.2.2.2 NTV Cameral Collimator Test								-	-	-
17.1.6.2.2.3 Video System Interface Test								-	-	-
17.1.6.2.3 Perform Inspections										
17.1.6.2.3.1 Camera Burn Spot Inspection								-	-	-
17.1.6.2.4 Remove and install										
17.1.6.2.4.1 WTV Camera System								-	-	-
17.1.6.2.4.2 WTV Camera Assembly								-	-	-
17.1.6.2.4.3 Wide Lens Assembly								-	-	-
17.1.6.2.4.4 NTV Camera System								-	-	-
17.1.6.2.4.5 Narrow Camera System								-	-	-
17.1.6.2.4.6 Narrow Lens Assembly								-	-	-
17.1.6.2.4.7 Wide Filter/Focus Assembly								-	-	-
17.1.6.2.4.8 Narrow Filter/Focus Assembly								-	-	-
17.1.6.2.4.9 Ambient Temperature Illuminator								-	-	-
17.1.6.2.4.10 TV ECA								-	-	-
17.1.6.2.4.11 Laser ECA								-	-	-
17.1.6.2.4.12 NTV/LTD Control Panel								-	-	-
17.1.6.2.4.13 WTV Control Panel								-	-	-
17.1.6.2.4.14 Illuminator Control Unit								-	-	-
17.1.6.2.4.15 Video Switching Unit (VSU)								-	-	-
17.1.6.2.4.16 Remote Control Unit								-	-	-
17.1.6.2.5 Perform WTV/NTV Alignment								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.6.2.6 Perform ATI Purge								-	-	-
17.1.6.2.7 Fault isolation								-	-	-
17.1.6.2.8 Aircraft Avionic Systems Integration								-	-	-
17.1.6.2.9 Perform Phase Inspection								-	-	-
17.1.6.3 AN/AJQ-24D Stabilized Pedestal Assembly (SPA) TR: 1C-130(A)H-2-93JG-00-1, 1C-130(A)H-2-93FI-00-1, 1C-130(A)H-2-13, 1C-130(A)H-2-14										
17.1.6.3.1 Perform operational check								-	-	-
17.1.6.3.2 Remove and install										
17.1.6.3.2.1 TV Track Handle								-	-	-
17.1.6.3.2.2 Stabilized Pedestal Assembly								-	-	-
17.1.6.3.2.3 Quartz Rate Servo/5V power supply								-	-	-
17.1.6.3.2.4 +15V Power Supply								-	-	-
17.1.6.3.2.5 Servo Electronic Control Assembly								-	-	-
17.1.6.3.2.6 Cable Assemblies								-	-	-
17.1.6.3.2.7 Azimuth Pick-off Assembly								-	-	-
17.1.6.3.2.8 Elevation Pick-off Assembly								-	-	-
17.1.6.3.2.9 Filter Control Assembly								-	-	-
17.1.6.3.3 Perform Adjustments										
17.1.6.3.3.1 SPA Static Balancing								-	-	-
17.1.6.3.3.2 SPA Mechanical Stop								-	-	-
17.1.6.3.3.3 TV Track Handle Drift								-	-	-
17.1.6.3.3.4 SPA Cage Position/Solenoid Lock								-	-	-
17.1.6.3.3.5 SPA Load Compensation Potentiometer								-	-	-
17.1.6.3.3.6 AZ Laser Limit Switch								-	-	-
17.1.6.3.3.7 EL Laser Limit Switch								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.6.3.3.8 Verification Laser Limit Switch								-	-	-
17.1.6.3.4 Fault isolate								-	-	-
17.1.6.3.5 Aircraft Avionic System Integration								-	-	-
17.1.6.3.6 Perform Phase Inspection								-	-	-
17.1.6.4 AN/AVQ-19/19A Laser Target Designator/Ranger (LTD/R) TR: 1C-130(A)H-2-93JG-60-1, 1C-130(A)H-2-93FI-60-1, C-130(A)H-2-13, -130(A)H-2-14										
17.1.6.4.1 Perform operational check										
17.1.6.4.1.1 LTD/R								-	-	-
17.1.6.4.1.2 Flashlamp								-	-	-
17.1.6.4.1.3 LTD/R Mission Computer interface								-	-	-
17.1.6.4.2 Remove and install										
17.1.6.4.2.1 Receiver/Transmitter Unit								-	-	-
17.1.6.4.2.2 Power Supply								-	-	-
17.1.6.4.2.3 Control Indicator Unit								-	-	-
17.1.6.4.2.4 Flashlamp								-	-	-
17.1.6.4.2.5 TV-LTD/R Harmonization								-	-	-
17.1.6.4.3 Service								-	-	-
17.1.6.4.3.1 Clean Optics								-	-	-
17.1.6.4.4 Fault isolation								-	-	-
17.1.6.4.5 Aircraft Avionic System integration								-	-	-
17.1.6.4.6 Perform Phase Inspection								-	-	-
17.1.6.5 Airborne Video Tape Recorder system (AVTRS) TR: 1C-130(A)H-2-93JG-30-1, 1C-130(A)H2-93FI-30-1, 1C-130(A)H-2-13, 1C-130(A)H-2-24										
17.1.6.5.1 Perform operational check								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.1.6.5.2 Remove and install										
17.1.6.5.2.1 Video Tape Recorder Assembly								-	-	-
17.1.6.5.2.2 DC to DC Converter								-	-	-
17.1.6.5.2.3 Control Relay								-	-	-
17.1.6.5.2.4 Recorder Control								-	-	-
17.1.6.5.2.5 Remote Control								-	-	-
17.1.6.5.2.6 AVTR								-	-	-
17.1.6.5.3 Fault isolation								-	-	-
17.1.6.5.4 Aircraft Avionic System Integration								-	-	-
17.1.6.5.5 Perform Phase Inspection								-	-	-
17.1.6.6 Infrared Zoom Laser Illuminator/Designator System (IZLID) TR: 1C-130(A)H-2-93JG-30-1, 1C-130(A)H-2-93-FI-30-1, 1C-130(A)H-2-13, 1C-130(A)H-2-14										
17.1.6.6.1 Perform operational check								-	-	-
17.1.6.6.2 Remove and install										
17.1.6.6.2.1 Control Indicator								-	-	-
17.1.6.6.2.2 IZLID Assembly								-	-	-
17.1.6.6.2.3 Boresight Positioner								-	-	-
17.1.6.6.2.4 Mount Bracket								-	-	-
17.1.6.6.2.5 Clamp Mount								-	-	-
17.1.6.6.3 Perform IZLID Boresight								-	-	-
17.1.6.6.4 Fault isolation								-	-	-
17.1.6.6.5 Aircraft Avionic Systems Integration								-	-	-
17.1.6.6.6 Perform Phase Inspection								-	-	-
17.1.7 MISCELLANEOUS										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
17.1.7.1 Indicators and Displays TR: Applicable Job Guides										
17.1.7.1.1 Remove and install										
17.1.7.1.1.1 Horizontal Situation Indicator								-	-	-
17.1.7.1.1.2 Attitude Direction Indicator								-	-	-
17.1.7.1.1.3 Bearing Direction Heading Indicator								-	-	-
17.1.7.1.1.4 Radio Magnetic Indicator								-	-	-
17.1.7.1.1.5 Control Display Unit (Mission Computer)								-	-	-
17.1.7.1.1.6 Altimeter-Encoder								-	-	-
17.1.7.1.1.7 9" Monitor								-	-	-
17.1.7.1.1.8 14" Monitor								-	-	-
17.2 AC-130U ON-EQUIPMENT MAINTENANCE										
17.2.1 GENERAL ORGANIZATIONAL MAINTENANCE										
17.2.1.1 Aircraft Familiarization								-	-	-
17.2.1.2 Major Structure Areas								-	-	-
17.2.1.3 Major Systems								-	-	-
17.2.2 GENERAL MAINTENANCE TASKS										
17.2.2.1 Technical order familiarization								-	-	-
17.2.2.2 Flightline safety/precautions/security	*							-	-	-
17.2.2.3 Introduction to aircraft/airframe familiarization								-	-	-
17.2.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
17.2.2.5 Inspect/operate portable external electrical power unit								-	-	-
17.2.2.6 Inspect/use ground maintenance stands								-	-	-
17.2.2.7 Dropped object prevention program (DOPP)								-	-	-
17.2.2.8 Statically ground aircraft								-	-	-
17.2.2.9 Apply/disconnect external electrical power unit	*							-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.2.10 Perform aircraft wash								-	-	-
17.2.2.11 Perform refuel/defuel team member duties										
17.2.2.11.1 Refuel/Defuel Supervisor								-	-	-
17.2.2.11.2 SPR Panel operator								-	-	-
17.2.2.11.3 Flight deck fuel panel operator								-	-	-
17.2.2.12 Open and close engine cowling								-	-	-
17.2.2.13 Remove and install aircraft maintenance panels								-	-	-
17.2.2.14 Open and Close Nose Radome								-	-	-
17.2.2.15 Open and Close Nose Wheel Door								-	-	-
17.2.2.16 Perform aircraft marshaling procedures								-	-	-
17.2.2.17 Tow aircraft										
17.2.2.17.1 Perform Wing/tail walker team duties								-	-	-
17.2.2.17.2 Brake Operator								-	-	-
17.2.2.18 Jack Aircraft										
17.2.2.18.1 Jacking team supervisor								-	-	-
17.2.2.18.2 Jacking team member								-	-	-
17.2.2.19 Operate APU								-	-	-
17.2.3 COMMUNICATIONS SYSTEMS										
17.2.3.1 AN/A1C-40 Interphone TR: 1C-130(A)U-2-23JG-50-1, 1C-130(A)U-2-23FI50-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.1.1 Perform operational check	*							-	-	-
17.2.3.1.2 Remove and install										
17.2.3.1.2.1 Crew Station Unit (CSU)								-	-	-
17.2.3.1.2.2 Emergency Audio Panel (EAP)								-	-	-
17.2.3.1.2.3 Digital Switching Unit (DSU)								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.1.2.4 Communication Control Unit (CCU)								-	-	-
17.2.3.1.2.5 Interphone Junction Box Power Filter								-	-	-
17.2.3.1.2.6 INTER/MIC Control Switch								-	-	-
17.2.3.1.2.7 Foot Switch								-	-	-
17.2.3.1.2.8 Communication Cord								-	-	-
17.2.3.1.3 Fault isolation								-	-	-
17.2.3.1.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.1.5 Perform Phase Inspection								-	-	-
17.2.3.2 AN/ARC-190 HF Communications TR: 1C-130(A)U-2-23JG-20-3, -20-4, 1C-130(A)U-2-23FI-20-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.2.1 Perform operational check	*							-	-	-
17.2.3.2.2 Remove and install										
17.2.3.2.2.1 Receiver/Transmitter								-	-	-
17.2.3.2.2.2 Receiver/Transmitter Mount								-	-	-
17.2.3.2.2.3 Radio Set Control (RSC)								-	-	-
17.2.3.2.2.4 Select Scan and Mount (ACS Processor)								-	-	-
17.2.3.2.2.5 Preselector and Mount								-	-	-
17.2.3.2.2.6 Audio Amplifier								-	-	-
17.2.3.2.2.7 Secure Relay								-	-	-
17.2.3.2.2.8 Emergency Headset Preamplifier								-	-	-
17.2.3.2.2.9 Shunt Antenna								-	-	-
17.2.3.2.2.10 Shunt Antenna Coupler and Mount								-	-	-
17.2.3.2.2.11 Probe Antenna								-	-	-
17.2.3.2.2.12 Probe Antenna Lightning Arrestor								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.2.3 Fault isolation								-	-	-
17.2.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.2.5 Perform Phase Inspection								-	-	-
17.2.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-130(A)U-2-23JG-20-3, -20-4, 1C-130(A)U-2-23FI-20-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.3.1 Perform operational check	*							-	-	-
17.2.3.3.2 Remove and install										
17.2.3.3.2.1 Basic Terminal Unit (BTU)								-	-	-
17.2.3.3.2.2 COMSEC Module (KYV-5)								-	-	-
17.2.3.3.2.3 ANDVT Fill Battery								-	-	-
17.2.3.3.3 Fault isolate								-	-	-
17.2.3.3.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.3.5 Perform Phase Inspection								-	-	-
17.2.3.4 AN/ARC-186 VHF Communications and TSEC/KY-58 Secure Speech TR: 1C-130(A)U-2-23JG-20-2, 1C-130(A)U-2-23FI-20-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.4.1 Perform operational check								-	-	-
17.2.3.4.2 Remove and install										
17.2.3.4.2.1 Receiver/Transmitter								-	-	-
17.2.3.4.2.2 Antenna								-	-	-
17.2.3.4.2.3 Back-up Control Panel								-	-	-
17.2.3.4.2.4 CTC Panel								-	-	-
17.2.3.4.2.5 KY-58 Processor								-	-	-
17.2.3.4.2.6 Adapter Interface								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.4.2.7 Z-AHP Remove Control Unit								-	-	-
17.2.3.4.2.8 Cipher Text Mode Panel								-	-	-
17.2.3.4.2.9 Secure Relay								-	-	-
17.2.3.4.2.10 Antenna Coax Relay								-	-	-
17.2.3.4.3 Fault isolate								-	-	-
17.2.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.4.5 Perform Phase Inspection								-	-	-
17.2.3.5 AN/ARC-222 VHF Communications and TSEC/KY-100 Secure Speech TR: 1C-130(A)U-2-23JG-20-2, 1C-130(A)U-2-23FI-20-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.5.1 Perform operational check								-	-	-
17.2.3.5.2 Remove and install										
17.2.3.5.2.1 Receiver/Transmitter								-	-	-
17.2.3.5.2.2 Antenna								-	-	-
17.2.3.5.2.3 Logic Control Unit (LCU)								-	-	-
17.2.3.5.2.4 Radio Control Set (RCS)								-	-	-
17.2.3.5.2.5 KY-100 Mail Terminal Unit								-	-	-
17.2.3.5.2.6 Z-AVH Remote Control Unit								-	-	-
17.2.3.5.2.7 Cipher Text Mode Panel								-	-	-
17.2.3.5.2.8 Secure Relay								-	-	-
17.2.3.5.2.9 Antenna Coax Relay								-	-	-
17.2.3.5.3 Fault isolation								-	-	-
17.2.3.5.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.5.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.6 AN/ARC-164 UHF Communications and TSEC/KY-58 Secure Speech TR: 1C-130(A)U-2-23JG-30-1, -30-2, 1C-130(A)U-2-23FI-30-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.6.1 Perform operational check	*							-	-	-
17.2.3.6.2 Remove and install										
17.2.3.6.2.1 Receiver/Transmitter								-	-	-
17.2.3.6.2.2 Antenna								-	-	-
17.2.3.6.2.3 Back-up Control Panel								-	-	-
17.2.3.6.2.4 CTC Panel								-	-	-
17.2.3.6.2.5 KY-58 Processor								-	-	-
17.2.3.6.2.6 Z-AHP Remove Control Unit								-	-	-
17.2.3.6.2.7 Cipher Text Mode Panel								-	-	-
17.2.3.6.2.8 Secure Relay								-	-	-
17.2.3.6.2.9 Antenna Selector								-	-	-
17.2.3.6.2.10 Antenna Coax Relay								-	-	-
17.2.3.6.3 Fault isolation								-	-	-
17.2.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.6.5 Perform Phase Inspection								-	-	-
17.2.3.7 AN/ARC-187 Satellite Communications (SATCOM) TR: 1C-130(A)U-2-23JG-20-5, 1C-130(A)U-2-23FI-20-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.7.1 Perform operational check	*							-	-	-
17.2.3.7.2 Remove and install										
17.2.3.7.2.1 Receiver/Transmitter								-	-	-
17.2.3.7.2.2 Receiver/Transmitter Mount								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.7.2.3 Transmit/Receiver Board								-	-	-
17.2.3.7.2.4 Collar Assembly								-	-	-
17.2.3.7.2.5 Antenna								-	-	-
17.2.3.7.2.6 Preamplifier								-	-	-
17.2.3.7.2.7 Interface Unit								-	-	-
17.2.3.7.2.8 Hybrid Coupler								-	-	-
17.2.3.7.2.9 KY-58 Processor								-	-	-
17.2.3.7.2.10 Secure Relay								-	-	-
17.2.3.7.3 Fault isolation								-	-	-
17.2.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.7.5 Perform Phase Inspection								-	-	-
17.2.3.8 Underwater Locator Beacon (ULB) TR: 1C-130H-2-25JG-00-1, 1C-130H-2-25FI-00-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.8.1 Perform operational checks								-	-	-
17.2.3.8.2 Remove and install										
17.2.3.8.2.1 Underwater Locator Beacon								-	-	-
17.2.3.8.2.2 Battery								-	-	-
17.2.3.8.3 Fault isolation								-	-	-
17.2.3.8.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.8.5 Perform Phase Inspection								-	-	-
17.2.3.9 Model A100 Flight Voice Recorder TR: 1C-130H-2-31Jg-30-1-1, 1C-130H-2-31FI-00-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.3.9.1 Perform operational check								-	-	-
17.2.3.9.2 Remove and install										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.3.9.2.1 Voice Recorder								-	-	-
17.2.3.9.2.2 Control Unit								-	-	-
17.2.3.9.2.3 Test Switch								-	-	-
17.2.3.9.2.4 Microphone								-	-	-
17.2.3.9.3 Fault isolation								-	-	-
17.2.3.9.4 Aircraft Avionic Systems Integration								-	-	-
17.2.3.9.5 Perform Phase Inspection								-	-	-
17.2.4 NAVIGATION SYSTEMS										
17.2.4.1 AN/APX-100 Identification Friend or Foe (IFF) TR: 1C-130(A)U-2-34JG-50-2, 1C-130(A)U-2-50FI-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.1.1 Perform operational checks	*							-	-	-
17.2.4.1.2 Remove and install										
17.2.4.1.2.1 Control Panel								-	-	-
17.2.4.1.2.2 Receiver/Transmitter								-	-	-
17.2.4.1.2.3 Antennas								-	-	-
17.2.4.1.2.4 Mode 4 Computer								-	-	-
17.2.4.1.2.5 Mode 4 Computer Battery								-	-	-
17.2.4.1.3 Fault isolation								-	-	-
17.2.4.1.4 Aircraft Avionics Systems Integration								-	-	-
17.2.4.1.5 Perform Phase Inspection								-	-	-
17.2.4.2 AN/ARN-147 VOR/ILS/MB TR: C-130(A)U-2-34JG-30-1, 1Ck-130(A)U-34FI-30-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.2.1 Perform operational check								-	-	-
17.2.4.2.2 Remove and install										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.4.2.2.1 Receiver								-	-	-
17.2.4.2.2.2 VOR Antenna								-	-	-
17.2.4.2.2.3 GS Antenna								-	-	-
17.2.4.2.2.4 MB Antenna								-	-	-
17.2.4.2.2.5 MB Panel								-	-	-
17.2.4.2.3 Fault isolation								-	-	-
17.2.4.2.4 Aircraft Avionics Systems Integration								-	-	-
17.2.4.2.5 Perform Phase Inspection								-	-	-
17.2.4.3 AN/ARN-118 Tactical Air Navigation (TACAN) TR: C-130(A)U-2-34JG-50-1, 1C-130(A)U-34FI-50-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.3.1 Perform operational check								-	-	-
17.2.4.3.2 Remove and install										
17.2.4.3.2.1 Receiver/Transmitter								-	-	-
17.2.4.3.2.2 Mount								-	-	-
17.2.4.3.2.3 D/A Converter (MX Adapter)								-	-	-
17.2.4.3.2.4 HSVDIU								-	-	-
17.2.4.3.2.5 Antennas								-	-	-
17.2.4.3.3 Fault Isolation								-	-	-
17.2.4.3.4 Aircraft Avionics Systems Integration								-	-	-
17.2.4.3.5 Perform Phase Inspection								-	-	-
17.2.4.4 Inertial Navigation System (INS) TR: 1C-130(A)U-2-34JG-40-1, 1C-130(A)U-34FI-40-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.4.1 Perform operational check								-	-	-
17.2.4.4.2 Remove and install										

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.4.4.2.1 INU								-	-	-
17.2.4.4.2.2 INU Mount								-	-	-
17.2.4.4.2.3 Control Panel								-	-	-
17.2.4.4.2.4 Battery								-	-	-
17.2.4.4.3 Fault isolation								-	-	-
17.2.4.4.4 Aircraft Avionic Systems Integration								-	-	-
17.2.4.4.5 Perform Phase Inspection								-	-	-
17.2.4.5 AN/ARN-151 Global Positioning System (GPS) TR: 1C-130(A)U-2-34JG-50-2, 1C-130(A)U-34FI-50-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.5.1 Perform operational check	*							-	-	-
17.2.4.5.2 Remove and install										
17.2.4.5.2.1 Receiver								-	-	-
17.2.4.5.2.2 Receiver Mount								-	-	-
17.2.4.5.2.3 Antenna Controller								-	-	-
17.2.4.5.2.4 Antenna								-	-	-
17.2.4.5.2.5 Battery								-	-	-
17.2.4.5.3 Fault isolation								-	-	-
17.2.4.5.4 Aircraft Avionic Systems Integration								-	-	-
17.2.4.5.5 Perform Phase Inspection								-	-	-
17.2.4.6 AN/ARN-149 DF-206A Automatic Direction Finder (ADF) TR: 1C-130-(A)U-2-34JG-50-2, 1C-130(A)U-34FI-50-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.6.1 Perform operational check								-	-	-
17.2.4.6.2 Remove and install										

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.4.6.2.1 Receiver								-	-	-
17.2.4.6.2.2 Antenna								-	-	-
17.2.4.6.3 Fault isolation								-	-	-
17.2.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.2.4.6.5 Perform Phase Inspection								-	-	-
17.2.4.7 DF-301E UHF/VHF Direction Finder TR: 1C-130(A)U-2-34JG-50-2, 1C-130(A)U-2-34FI-50-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.4.7.1 Perform operational check								-	-	-
17.2.4.7.2 Remove and install										
17.2.4.7.2.1 Antenna								-	-	-
17.2.4.7.2.2 UHF/VHF DF Switching Relay								-	-	-
17.2.4.7.2.3 Phase Shift Relay								-	-	-
17.2.4.7.2.4 CTC Panel								-	-	-
17.2.4.7.3 Fault isolation								-	-	-
17.2.4.7.4 Aircraft Avionic Systems Integration								-	-	-
17.2.4.7.5 Perform Phase Inspection								-	-	-
17.2.5 RADAR SYSTEMS										
17.2.5.1 AN/APQ-180 Radar TR: 1Ck-130(A)U-2-94JG-70-1, -70-2, -70-3, -70-4, 1C-130(A)U-94FI-70-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.5.1.1 Perform Operational check								-	-	-
17.2.5.1.2 Perform Antenna Hydraulic Leak Check								-	-	-
17.2.5.1.3 Perform Radar Waveguide Set Pressurization Check								-	-	-
17.2.5.1.4 Remove and Install (R&I)										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.5.1.4.1 Transmitter								-	-	-
17.2.5.1.4.2 Antenna								-	-	-
17.2.5.1.4.3 Radar Data Processor (RDP)								-	-	-
17.2.5.1.4.4 Analog-to-Digital Converter (ADC)								-	-	-
17.2.5.1.4.5 Receiver/Exciter (R/E)								-	-	-
17.2.5.1.4.6 Programmable Signal Processor (PSP)								-	-	-
17.2.5.1.4.7 Low Voltage Power Supply (LVPS)								-	-	-
17.2.5.1.4.8 Radar Control Panel (RCP)								-	-	-
17.2.5.1.4.9 Inner Azimuth Integrating Rate Gyro								-	-	-
17.2.5.1.4.10 Elevation Integrating Rate Gyro								-	-	-
17.2.5.1.4.11 Azimuth Hydraulic Servo-Valve								-	-	-
17.2.5.1.4.12 Elevation Hydraulic Servo-Valve								-	-	-
17.2.5.1.4.13 Radar Dehydrator								-	-	-
17.2.5.1.4.14 Dehydrator Crystals								-	-	-
17.2.5.1.5 Update Radar Antenna Harmonization								-	-	-
17.2.5.1.6 Load and Verify OFP Procedures								-	-	-
17.2.5.1.7 Fault isolation								-	-	-
17.2.5.1.8 Aircraft Avionic Systems Integration								-	-	-
17.2.5.1.9 Perform Phase Inspection								-	-	-
17.2.5.2 AN/APN-232 Combined Altitude Radar Altimeter TR: 1C-130(A)U-2-34JG-10-2, 1C-130(A)U-34FI-10-1, 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.5.2.1 Perform Operational Check	*							-	-	-
17.2.5.2.2 Remove and install (R&I)										
17.2.5.2.2.1 Receiver/Transmitter								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.5.2.2.2 Indicator								-	-	-
17.2.5.2.2.3 Antenna								-	-	-
17.2.5.2.2.4 Signal Data Converter (SDC)								-	-	-
17.2.5.2.2.5 CARA Select Switch								-	-	-
17.2.5.2.3 Adjust Altitude								-	-	-
17.2.5.2.4 Fault isolation								-	-	-
17.2.5.2.5 Aircraft Avionic Systems Integration								-	-	-
17.2.5.2.6 Perform Phase Inspection								-	-	-
17.2.5.3 Radar Transponder System TR: 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.5.3.1 Perform operational check								-	-	-
17.2.5.3.2 Remove and install (R&I)										
17.2.5.3.2.1 Receiver/Transmitter								-	-	-
17.2.5.3.2.2 Antenna								-	-	-
17.2.5.3.3 Fault isolation								-	-	-
17.2.5.3.4 Aircraft Avionic Systems Integration								-	-	-
17.2.5.3.5 Perform Phase Inspection								-	-	-
17.2.5.4 Control Display Unit (CDU) System TR: 1C-130(A)U-2-8, 1C-130(A)U-2-13										
17.2.5.4.1 Perform operational check								-	-	-
17.2.5.4.2 Remove and install (R&I)										
17.2.5.4.2.1 CDU								-	-	-
17.2.5.4.2.2 Flight Deck Power Panel								-	-	-
17.2.5.4.2.3 R/N FCO Power Panel								-	-	-
17.2.5.4.2.4 EWO Power Panel								-	-	-
17.2.5.4.3 Fault isolation								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.5.4.4 Aircraft Avionic Systems Integration								-	-	-
17.2.5.4.5 Perform Phase Inspection								-	-	-
17.2.6 MISSION SYSTEMS										
17.2.6.1 AN/AAQ-26 Infrared Detecting Set TR: 1C-130(A)U-2-99JG-50-1, 1C-130(A)U-99FI-50-1, 1C-130(A)U-2-13, 1C-130(A)U-2-14										
17.2.6.1.1 Perform operational check	*							-	-	-
17.2.6.1.2 Remove and install (R&I)										
17.2.6.1.2.1 Infrared Receiver								-	-	-
17.2.6.1.2.2 Control Converter								-	-	-
17.2.6.1.2.3 IR Set Control								-	-	-
17.2.6.1.2.4 IR Transformer								-	-	-
17.2.6.1.2.5 AUX IR Panel								-	-	-
17.2.6.1.2.6 Close Out Panel								-	-	-
17.2.6.1.3 Perform Boresight								-	-	-
17.2.6.1.4 Perform IDS Window Cleaning								-	-	-
17.2.6.1.5 Fault isolation								-	-	-
17.2.6.1.6 Aircraft Avionic Systems Integration								-	-	-
17.2.6.1.7 Perform Phase Inspection								-	-	-
17.2.6.2 All Light Level Television (ALLTV) TR: 1C-130(A)U-2-99JG-60-1, 1C-130(A)U-99FI-60-1, 1C-130(A)U-2-13, 1C-130(A)U-2-14										
17.2.6.2.1 Perform operational checks								-	-	-
17.2.6.2.2 Remove and install (R&I)										
17.2.6.2.2.1 Turret								-	-	-
17.2.6.2.2.2 Control Electronic Unit (ECU)								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.6.2.2.3 Laser Control Panel								-	-	-
17.2.6.2.2.4 System Control Panel								-	-	-
17.2.6.2.2.5 Close Out Panel								-	-	-
17.2.6.2.2.6 WFOV Optical Assembly								-	-	-
17.2.6.2.2.7 N/MFOV Optical Assembly								-	-	-
17.2.6.2.2.8 Laser Illuminator Assembly (LIA)								-	-	-
17.2.6.2.2.9 Laser Target Designator/Range Finder								-	-	-
17.2.6.2.2.10 Camera Control Electronics (CCE)								-	-	-
17.2.6.2.2.11 Power Unit								-	-	-
17.2.6.2.2.12 Turret Control Unit (TCU)								-	-	-
17.2.6.2.2.13 Heat Exchanger								-	-	-
17.2.6.2.2.14 Manual Light Control Panel (MLCP)								-	-	-
17.2.6.2.2.15 Maintenance Panel								-	-	-
17.2.6.2.2.16 Mass Simulator								-	-	-
17.2.6.2.3 Perform Ground Boresight								-	-	-
17.2.6.2.4 Perform LTD/RF-M/N FOV Optical Purge								-	-	-
17.2.6.2.5 Perform Cleaning								-	-	-
17.2.6.2.6 Fault isolation								-	-	-
17.2.6.2.7 Aircraft Avionic Systems Integration								-	-	-
17.2.6.2.8 Perform Phase Inspection								-	-	-
17.2.6.3 Airborne Video Cassette Recorder System (AVCRS) TR: 1C-130(A)U-2-99JG-30-1, 1C-130(A)U-99FI-30-1, 1C-130(A)U-2-13, 1C-130(A)U-2-14										
17.2.6.3.1 Perform operational checks								-	-	-
17.2.6.3.2 Remove and install (R&I)										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.2.6.3.2.1 Video Cassette Recorder Assembly								-	-	-
17.2.6.3.2.2 AC to DC Converter								-	-	-
17.2.6.3.2.3 Capacitor								-	-	-
17.2.6.3.2.4 VCR Select Panel								-	-	-
17.2.6.3.2.5 Wired Remote Control								-	-	-
17.2.6.3.2.6 Degausser								-	-	-
17.2.6.3.3 Fault isolation								-	-	-
17.2.6.3.4 Aircraft Avionic Systems Integration								-	-	-
17.2.6.3.5 Perform Phase Inspection								-	-	-
17.2.7 MISCELLANEOUS										
17.2.7.1 Indicators and Displays TR: Applicable JG										
17.2.7.1.1 Remove and install (R&I)										
17.2.7.1.1.1 Horizontal Situation Indicator								-	-	-
17.2.7.1.1.2 Attitude Direction Indicator								-	-	-
17.2.7.1.1.3 Bearing Direction Heading Indicator								-	-	-
17.2.7.1.1.4 Radio Magnetic Indicator								-	-	-
17.2.7.1.1.5 Multifunction Display (BMFD/CMFD)								-	-	-
17.2.7.1.1.6 Altimeter-Encoder								-	-	-
17.3 MC-130E ON-EQUIPMENT MAINTENANCE										
17.3.1 GENERAL ORGANIZATION MAINTENANCE										
17.3.1.1 Aircraft Familiarization								-	-	-
17.3.1.2 Major Structure Areas								-	-	-
17.3.1.3 Major Systems								-	-	-
17.3.2 GENERAL MAINTENANCE TASKS										
17.3.2.1 Technical order familiarization								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.2.2 Flightline safety/precautions/security	*							-	-	-
17.3.2.3 Introduction to aircraft/airframe familiarization								-	-	-
17.3.2.4 Ensure Aircraft is safe for maintenance	*							-	-	-
17.3.2.5 Inspect/operate portable external electrical power unit								-	-	-
17.3.2.6 Inspect/use ground maintenance stands								-	-	-
17.3.2.7 Dropped object prevention program (DOPP)								-	-	-
17.3.2.8 Statically ground aircraft								-	-	-
17.3.2.9 Apply/disconnect external electrical power unit	*							-	-	-
17.3.2.10 Perform aircraft wash								-	-	-
17.3.2.11 Refuel/Defuel Aircraft										
17.3.2.11.1 Refuel/Defuel supervisor								-	-	-
17.3.2.11.2 SPR Panel operator								-	-	-
17.3.2.11.3 Flight deck fuel panel operator								-	-	-
17.3.2.12 Open and close engine cowling								-	-	-
17.3.2.13 Remove/install aircraft maintenance access panels								-	-	-
17.3.2.14 Open and Close Nose Radome								-	-	-
17.3.2.15 Open and Close Nose Wheel Door								-	-	-
17.3.2.16 Perform aircraft marshalling procedures								-	-	-
17.3.2.17 Tow Aircraft										
17.3.2.17.1 Perform wing/tail walker duties								-	-	-
17.3.2.17.2 Brake Operator								-	-	-
17.3.2.18 Jack Aircraft										
17.3.2.18.1 Jacking team supervisor								-	-	-
17.3.2.18.2 Jacking Team Member								-	-	-
17.3.2.19 Operate aircraft GTC/ATM								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3 COMMUNICATIONS SYSTEMS										
17.3.3.1 AN/AIC-18/25 Interphone TR: 1C-130(M)E-2-23JG-50-1, 1C-130(M)H-23FI-50-1, 1C-130(M)E-1-8, 1C-130(M)E-2-13										
17.3.3.1.1 Perform operational check								-	-	-
17.3.3.1.2 Remove and install (R&I)										
17.3.3.1.2.1 INTER/INPH Control Panel								-	-	-
17.3.3.1.2.2 Monitor Panel								-	-	-
17.3.3.1.2.3 Auxiliary ICS Control Panel								-	-	-
17.3.3.1.2.4 INTER/MIC Control Switch								-	-	-
17.3.3.1.2.5 Foot Switch								-	-	-
17.3.3.1.2.6 Communication Cord								-	-	-
17.3.3.1.2.7 Private ICS Panel								-	-	-
17.3.3.1.3 Fault isolation								-	-	-
17.3.3.1.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.1.5 Perform Phase Inspections								-	-	-
17.3.3.2 AN/ARC-190 HF Communication TR: 1C-130(M)H-2-23JG-10-1, 1C-130(M)H-2-23FI-10-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.2.1 Perform operational check	*							-	-	-
17.3.3.2.2 Remove and install (R&I)										
17.3.3.2.2.1 Receiver/Transmitter								-	-	-
17.3.3.2.2.2 Mount								-	-	-
17.3.3.2.2.3 Control Box								-	-	-
17.3.3.2.2.4 Automatic Control Processor								-	-	-
17.3.3.2.2.5 Antenna Coupler								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.2.2.6 Antenna Mast/Lightning Arrestor								-	-	-
17.3.3.2.2.7 External Wire Antenna								-	-	-
17.3.3.2.3 Fault isolation								-	-	-
17.3.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.2.5 Perform Phase Inspection								-	-	-
17.3.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-130(M)H-2-23JG-10-2, 1C-130(M)H-2-23FI-10-2, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.3.1 Perform operational check	*							-	-	-
17.3.3.3.2 Remove and install (R&I)										
17.3.3.3.2.1 Basic Terminal Unit (BTU)								-	-	-
17.3.3.3.2.2 COMSEC Module (KYV-5)								-	-	-
17.3.3.3.2.3 ANDVT Fill Battery								-	-	-
17.3.3.3.2.4 Split Remote Control Unit (SRCU)								-	-	-
17.3.3.3.3 Fault isolation								-	-	-
17.3.3.3.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.3.5 Perform Phase Inspections								-	-	-
17.3.3.4 AN/ARC-186 VHF Communications TR: 1C-130(M)H-2-23JG-20-2, 1C-130(M)H-2-23FI-20-2, 1C-130(M)E-2-8, 1C-130(M)H-2-13										
17.3.3.4.1 Perform operational check								-	-	-
17.3.3.4.2 Remove and install (R&I)										
17.3.3.4.2.1 Receiver/Transmitter								-	-	-
17.3.3.4.2.2 Antennas								-	-	-
17.3.3.4.2.3 Radio Control Set (RCS)								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.4.2.4 Signal Data Comparator (SDC) FM Homing								-	-	-
17.3.3.4.3 Fault isolation								-	-	-
17.3.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.4.5 Perform Phase Inspection								-	-	-
17.3.3.5 AN/ARC-222 VHF Communications TR: 1C-130(M)H-2-23JG-20-1, 1C-130(M)H-2-23FI-20-2, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.5.1 Perform operational check								-	-	-
17.3.3.5.2 Remove and install (R&I)										
17.3.3.5.2.1 Receiver/Transmitter								-	-	-
17.3.3.5.2.2 Antennas								-	-	-
17.3.3.5.2.3 Logic Control Unit (LCU)								-	-	-
17.3.3.5.2.4 Radio Control Set (RCS)								-	-	-
17.3.3.5.2.5 Signal Data Comparator (SDC) FM Homing								-	-	-
17.3.3.5.3 Fault isolation								-	-	-
17.3.3.5.4 Aircraft Avionic System Integration								-	-	-
17.3.3.5.5 Perform Phase Inspection								-	-	-
17.3.3.6 AN/ARC-164 UHF Communications TR: 1C-130(M)H-2-23JG-20-1, 1C-130(M)H-2-23FI-20-1, 1C-130(M)E-1-8, 1C-130(M)E-2-13										
17.3.3.6.1 Perform operational check	*							-	-	-
17.3.3.6.2 Remove and install (R&I)										
17.3.3.6.2.1 Receiver/Transmitter								-	-	-
17.3.3.6.2.2 Antennas								-	-	-
17.3.3.6.2.3 Control Panel								-	-	-
17.3.3.6.2.4 Antenna Switching Unit								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.6.2.5 Antenna Selector Panel								-	-	-
17.3.3.6.3 Fault isolation								-	-	-
17.3.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.6.5 Perform Phase Inspection								-	-	-
17.3.3.7 TSEC/KY-58 UHF/VHF Secure Speech TR: 1C-130(M)H-2-23JG-20-3, 1C-130(M)H-2-23FI-20-3, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.7.1 Perform operational check	*							-	-	-
17.3.3.7.2 Remove and install (R&I)										
17.3.3.7.2.1 Processor								-	-	-
17.3.3.7.2.2 Adapter Interface								-	-	-
17.3.3.7.2.3 Processor Battery								-	-	-
17.3.3.7.2.4 Remote Control Unit								-	-	-
17.3.3.7.3 Fault isolation								-	-	-
17.3.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.7.5 Perform Phase Inspections								-	-	-
17.3.3.8 TSEC/KY-100 UHF/VHF Secure Speech TR: 1C-130(M)H-3-34JG-20-3, 1C-130(M)H-2-23FI-20-3, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.8.1 Perform operational check	*							-	-	-
17.3.3.8.2 Remove and install (R&I)								-	-	-
17.3.3.8.2.1 Processor								-	-	-
17.3.3.8.2.2 Processor Battery								-	-	-
17.3.3.8.2.3 Remove Control Unit (RCU)								-	-	-
17.3.3.8.3 Fault isolation								-	-	-
17.3.3.8.4 Aircraft Avionic Systems Integration								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.8.5 Perform Phase Inspection								-	-	-
17.3.3.9 AN/ARC-187 Satellite Communications (SATCOM) TR: 1C-130(M)H-2-23JG-30-1, 1C-130(M)H-23FI-30-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.9.1 Perform operational check	*							-	-	-
17.3.3.9.2 Remove and install (R&I)										
17.3.3.9.2.1 Receiver/Transmitter								-	-	-
17.3.3.9.2.2 Receiver/Transmitter Mount								-	-	-
17.3.3.9.2.3 Antenna								-	-	-
17.3.3.9.2.4 Preamplifier								-	-	-
17.3.3.9.2.5 Radio Set Controller								-	-	-
17.3.3.9.2.6 Interface Unit								-	-	-
17.3.3.9.2.7 DAMA Modem								-	-	-
17.3.3.9.2.8 Modem Mount								-	-	-
17.3.3.9.2.9 Modem Control Indicator								-	-	-
17.3.3.9.2.10 VDC-300 Data Controller								-	-	-
17.3.3.9.2.11 Operator Auxiliary Panel								-	-	-
17.3.3.9.2.12 SATCOM Antenna Select Panel								-	-	-
17.3.3.9.2.13 Data I/O Device (Laptop)								-	-	-
17.3.3.9.3 Fault isolation								-	-	-
17.3.3.9.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.9.5 Perform Phase Inspection								-	-	-
17.3.3.10 AN/AIC-13 Public Address System TR 1C-130(M)H-2-23-JG-40-1 1C-130(M)H-2-23FI-40-1, 1C-130(M)E-2-8, 1CI-130(M)E-2-13										
17.3.3.10.1 Perform operational check								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.10.2 Remove and install (R&I)										
17.3.3.10.2.1 Main Control Panel								-	-	-
17.3.3.10.2.2 System Amplifier								-	-	-
17.3.3.10.2.3 System Loudspeaker								-	-	-
17.3.3.10.2.4 Hand-Held Microphone								-	-	-
17.3.3.10.3 Fault isolation								-	-	-
17.3.3.10.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.10.5 Perform Phase Inspection								-	-	-
17.3.3.11 Underwater Locator Beacon (ULB) TR: 1C-130H-2-25JG-00-1, 1C-130H-2-25FI-00-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.11.1 Perform operational checks								-	-	-
17.3.3.11.2 Remove and install (R&I)										
17.3.3.11.2.1 Underwater Locator Beacon								-	-	-
17.3.3.11.2.2 Battery								-	-	-
17.3.3.11.3 Fault isolation								-	-	-
17.3.3.11.4 Aircraft Avionic Integration								-	-	-
17.3.3.11.5 Perform Phase Inspection								-	-	-
17.3.3.12 Model A100 Flight Voice Recorder TR: 1C-130H-2-31JG-30-1-1, 1C-130H-2-31FI-00-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.3.12.1 Perform operational check								-	-	-
17.3.3.12.2 Remove and install (R&I)										
17.3.3.12.2.1 Voice Recorder								-	-	-
17.3.3.12.2.2 Control Unit								-	-	-
17.3.3.12.2.3 Test Switch								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.3.12.2.4 Microphone								-	-	-
17.3.3.12.3 Fault isolation								-	-	-
17.3.3.12.4 Aircraft Avionic Systems Integration								-	-	-
17.3.3.12.5 Perform Phase Inspection								-	-	-
17.3.4 NAVIGATION SYSTEMS										
17.3.4.1 AN/APX-72 Identification Friend or Foe (IFF) TR: 1C-130(M)H-2-34JG-50-8, 1C-130(M)H-2-34-50-8, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.1.1 Perform operational check	*							-	-	-
17.3.4.1.2 Remove and install (R&I)										
17.3.4.1.2.1 Control Panel								-	-	-
17.3.4.1.2.2 Receiver/Transmitter								-	-	-
17.3.4.1.2.3 Antennas								-	-	-
17.3.4.1.2.4 Mode 4 Computer								-	-	-
17.3.4.1.2.5 Mode 4 Computer Battery								-	-	-
17.3.4.1.2.6 Antenna Switch and Caution Light Panel								-	-	-
17.3.4.1.2.7 Antenna Switching Unit								-	-	-
17.3.4.1.2.8 Transponder Test Set								-	-	-
17.3.4.1.3 Fault isolation								-	-	-
17.3.4.1.4 Aircraft Avionic Systems Integration								-	-	-
17.3.4.1.5 Perform Phase Inspection								-	-	-
17.3.4.2 AN/ARN-147 VOR/ILS/MB TR: 1C-130(M)E-2-34JG-50-2, 1C-130(M)E-2-34FI-50-2, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.2.1 Perform operational check								-	-	-
17.3.4.2.2 Remove and install (R&I)										-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.4.2.2.1 Receiver								-	-	-
17.3.4.2.2.2 Control Box								-	-	-
17.3.4.2.2.3 VOR Antenna								-	-	-
17.3.4.2.2.4 GS Antenna								-	-	-
17.3.4.2.2.5 MB Antenna								-	-	-
17.3.4.2.2.6 MB Panel								-	-	-
17.3.4.2.2.7 Navigation Instrument Switching Relays								-	-	-
17.3.4.2.3 Fault isolation								-	-	-
17.3.4.2.4 Aircraft Avionic Systems Integration								-	-	-
17.3.4.2.5 Perform Phase Inspection								-	-	-
17.3.4.3 AN/ARN-118 Tactical Air Navigation TR: 1C-130(M)H-2-34JG-50-1, 1C-130(M)H-2-34FI-50-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.3.1 Perform operational check								-	-	-
17.3.4.3.2 Remove and install (R&I)										
17.3.4.3.2.1 Receiver/Transmitter								-	-	-
17.3.4.3.2.2 Mount								-	-	-
17.3.4.3.2.3 D/A Converter (MX Adapter)								-	-	-
17.3.4.3.2.4 Coupler								-	-	-
17.3.4.3.2.5 Control Box								-	-	-
17.3.4.3.2.6 Antennas								-	-	-
17.3.4.3.3 Fault isolation								-	-	-
17.3.4.3.4 Aircraft Avionic System Integration								-	-	-
17.3.4.3.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
17.3.4.4 Inertial Navigation System (INS) TR: 1C-130(M)H-2-34JG-40-1, 1C-130(M)H-2-34FI-40-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.4.1 Perform operational check							-	-	-	
17.3.4.4.2 Remove and install (R&I)										
17.3.4.4.2.1 INU							-	-	-	
17.3.4.4.2.2 INU Mount							-	-	-	
17.3.4.4.2.3 INU Battery							-	-	-	
17.3.4.4.2.4 INU Fan							-	-	-	
17.3.4.4.3 Fault isolation							-	-	-	
17.3.4.4.4 Aircraft Avionic Systems Integration							-	-	-	
17.3.4.4.5 Perform Phase Inspection							-	-	-	
17.3.4.5 AN/ARN-151 Global Positioning System (GPS) TR: 1C-130(M)H-2-34JG-50-6, 1C-130(M)H-2-34FI-50-6, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.5.1 Perform operational check	*						-	-	-	
17.3.4.5.2 Remove and install										
17.3.4.5.2.1 Receiver							-	-	-	
17.3.4.5.2.2 Receiver Mount							-	-	-	
17.3.4.5.2.3 Control Display Unit (CDU)							-	-	-	
17.3.4.5.2.4 Antenna							-	-	-	
17.3.4.5.2.5 Antenna Controller							-	-	-	
17.3.4.5.2.6 Fill Port Panel							-	-	-	
17.3.4.5.2.7 Battery							-	-	-	
17.3.4.5.3 Fault isolation							-	-	-	
17.3.4.5.4 Aircraft Avionic Systems Integration							-	-	-	

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.4.5.5 Perform Phase Inspection								-	-	-
17.3.4.6 AN/ARA-25 UHF Direction Finder TR: 1C-130(M)E-2-34JG-50-4, 1C-130(M)E-2-34FI-50-4, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.6.1 Perform operational check								-	-	-
17.3.4.6.2 Remove and install										
17.3.4.6.2.1 Amplifier								-	-	-
17.3.4.6.2.2 Antenna								-	-	-
17.3.4.6.2.3 Power Supply								-	-	-
17.3.4.6.2.4 Antenna Changeover Relay								-	-	-
17.3.4.6.2.5 Control Relay								-	-	-
17.3.4.6.2.6 DF Relays								-	-	-
17.3.4.6.3 Fault isolation								-	-	-
17.3.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.3.4.6.5 Perform Phase Inspection								-	-	-
17.3.4.7 AN/ARN-6 Radio Compass (ADF) TR: 1C-130(M)E-2-34JG-50-4, 1C-130(M)E-2-34FI-50-4, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.7.1 Perform operational check								-	-	-
17.3.4.7.2 Remove and install										
17.3.4.7.2.1 Receiver								-	-	-
17.3.4.7.2.2 Tuning-Drive Amplifier								-	-	-
17.3.4.7.2.3 Control Panel								-	-	-
17.3.4.7.2.4 Tuning-Drive Motor								-	-	-
17.3.4.7.2.5 Loop Antenna								-	-	-
17.3.4.7.2.6 Sense Antenna								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.4.7.3 Fault isolation								-	-	-
17.3.4.7.4 Aircraft Avionic Sensors Integration								-	-	-
17.3.4.7.5 Perform Phase Inspection								-	-	-
17.3.4.8 AN/APN-218 Doppler Navigation System TR: 1C-130(M)E-2-34JG-40-6, 1C-130(M)E-34FI-40-6, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.4.8.1 Perform operational check								-	-	-
17.3.4.8.2 Remove and install										
17.3.4.8.2.1 DVS								-	-	-
17.3.4.8.2.2 GSDAI (Pilot/Copilot)								-	-	-
17.3.4.8.2.3 SID (Navigator)								-	-	-
17.3.4.8.2.4 Dehydrator								-	-	-
17.3.4.8.3 Fault isolation								-	-	-
17.3.4.8.4 Aircraft Avionic Systems Integration								-	-	-
17.3.4.8.5 Perform Phase Inspection								-	-	-
17.3.5 RADAR SYSTEMS										
17.3.5.1 AN/APQ-122 Multimode Radar System TR: 1C-130(M)E-2-34JG-40-3-1, -40-3-2, 1C-130(M)E-2-34FI-40-3-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.5.1.1 Perform operational check								-	-	-
17.3.5.1.2 Remove and install										
17.3.5.1.2.1 Left Navigator DSC Control Panel								-	-	-
17.3.5.1.2.2 Right Navigator DSC Control Panel								-	-	-
17.3.5.1.2.3 Left Navigator DSC Indicator								-	-	-
17.3.5.1.2.4 Right Navigator DSC Indicator								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.5.1.2.5 Pilots DSC Control Panel								-	-	-
17.3.5.1.2.6 Pilots DSC Indicator								-	-	-
17.3.5.1.2.7 TV Warning Lights Panel								-	-	-
17.3.5.1.2.8 Maintenance Panel								-	-	-
17.3.5.1.2.9 TV Transmitter SW/TF Warning Light Panel								-	-	-
17.3.5.1.2.10 X-Band Set Control Panel								-	-	-
17.3.5.1.2.11 KA-Band Set Control Panel								-	-	-
17.3.5.1.2.12 Antenna Control								-	-	-
17.3.5.1.2.13 Cursor Control Panel								-	-	-
17.3.5.1.2.14 Digital Scan Converter (DSC)								-	-	-
17.3.5.1.2.15 DSC Power Supply								-	-	-
17.3.5.1.2.16 Power Supply Programmer (PSP)								-	-	-
17.3.5.1.2.17 TF Computer								-	-	-
17.3.5.1.2.18 Electronic Control Amplifier (ECA)								-	-	-
17.3.5.1.2.19 X Band Receiver/Transmitter								-	-	-
17.3.5.1.2.20 KA Band Receiver/Transmitter								-	-	-
17.3.5.1.2.21 TF Receiver								-	-	-
17.3.5.1.2.22 TF Antenna								-	-	-
17.3.5.1.2.23 X/Ka Band Antenna								-	-	-
17.3.5.1.3 Perform Boresight								-	-	-
17.3.5.1.4 Perform Functional Check Flight (FCF)								-	-	-
17.3.5.1.5 Fault isolation								-	-	-
17.3.5.1.6 Aircraft Avionic Systems Integration								-	-	-
17.3.5.1.7 Perform Phase Inspections								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.5.2 AN/ASQ-14 Radar Pressurization Systems TR: 1C-130(M)E-2-34JG-40-2, 1C-130(M)E-2-34FI-40-2, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.5.2.1 Perform operational check								-	-	-
17.3.5.2.2 Remove and install										
17.3.5.2.2.1 Air Compressor								-	-	-
17.3.5.2.2.2 Pressure Switch								-	-	-
17.3.5.2.2.3 Control Panel								-	-	-
17.3.5.2.2.4 Dehydrator/Desiccant								-	-	-
17.3.5.2.3 Fault isolation								-	-	-
17.3.5.2.4 Aircraft Avionic Systems Integration								-	-	-
17.3.5.2.5 Perform Phase Inspection								-	-	-
17.3.5.3 KA Freon Pressurization System TR: 1C-130(M)E-2-34JG-40-3-1, -40-3-2, 1C-130(M)E-2-34FI-40-3-1, 1C-130(M)E-2-10, 1C-130(M)E-2-13										
17.3.5.3.1 Perform operational check								-	-	-
17.3.5.3.2 Remove and install										
17.3.5.3.2.1 KA Band Pressurization Control Panel								-	-	-
17.3.5.3.2.2 Control Valve								-	-	-
17.3.5.3.2.3 Pressure Regulator								-	-	-
17.3.5.3.2.4 Pressure Switch								-	-	-
17.3.5.3.2.5 Freon Bottle Pressure Gauge								-	-	-
17.3.5.3.2.6 Compressed Gas Cylinder								-	-	-
17.3.5.3.3 Purge KA Band Radar System								-	-	-
17.3.5.3.4 Fault isolation								-	-	-
17.3.5.3.5 Aircraft Avionic Systems Integration								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
17.3.5.4 Radar Cooling Air System TR: 1C-130(M)E-2-34JG-40-31-1, -40-3-2, 1C-130(M)E-2-34FI-40-3-1, 1C-130(M)E-2-10, 1CI-130(M)E-2-13										
17.3.5.4.1 Perform operational check								-	-	-
17.3.5.4.2 Remove and install										
17.3.5.4.2.1 Radar Cooling/Air Fail Light Panel								-	-	-
17.3.5.4.2.2 Blower Assembly								-	-	-
17.3.5.4.2.3 Air Shutoff Valves								-	-	-
17.3.5.4.2.4 Pressure Switches								-	-	-
17.3.5.4.2.5 Filters								-	-	-
17.3.5.4.3 Fault isolation								-	-	-
17.3.5.4.4 Aircraft Avionic Systems I integration								-	-	-
17.3.5.4.5 Perform Phase Inspection								-	-	-
17.3.5.5 Dual Angle Measuring System TR: 1C-130(M)E-2-34JG-40-4, 1C-130(M)E-2-34FI-20-4, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.5.5.1 Perform operational checks								-	-	-
17.3.5.5.2 Remove and install										
17.3.5.5.2.1 Angle of Attack (AOA) Probe								-	-	-
17.3.5.5.2.2 Dual Angle Indicator								-	-	-
17.3.5.5.2.3 AOA Probe Anti-icing Control								-	-	-
17.3.5.5.2.4 Fault isolation								-	-	-
17.3.5.5.2.5 Aircraft Avionic Systems Integration								-	-	-
17.3.5.5.2.6 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.5.6 AN/APN-171 Radar Altimeter TR: 1C-130(M)E-2-34JG-40-5, 1C-130(M)E-2-34FI-40-5, 1C-130(M)E-2-8, 1C-139(M)E-2-13										
17.3.5.6.1 Perform operational check	*							-	-	-
17.3.5.6.2 Remove and install										
17.3.5.6.2.1 Receiver/Transmitter								-	-	-
17.3.5.6.2.2 Indicator								-	-	-
17.3.5.6.2.3 Antenna								-	-	-
17.3.5.6.3 Adjust Altitude								-	-	-
17.3.5.6.4 Fault isolation								-	-	-
17.3.5.6.5 Aircraft Avionic System Integration								-	-	-
17.3.5.6.6 Perform Phase Inspections								-	-	-
17.3.5.7 Radar Transponder System TR: C-130(M)H-2-34JG-40-5, 1C-130(M)H-2-34FI-50-5, 1C-130(M)E-2-8, 1C-130(M)E-2-13										
17.3.5.7.1 Perform operational check								-	-	-
17.3.5.7.2 Remove and install										
17.3.5.7.2.1 Receiver/Transmitter								-	-	-
17.3.5.7.2.2 Antenna								-	-	-
17.3.5.7.2.3 Radar Transponder Panel								-	-	-
17.3.5.7.2.4 Fault isolation								-	-	-
17.3.5.7.2.5 Aircraft Avionic Systems Integration								-	-	-
17.3.5.7.2.6 Perform Phase Inspection								-	-	-
17.3.6 MISSION SYSTEMS										
17.3.6.1 AAQ-18 Forward Looking Infrared System TR: 1C-130(M)E-2-93JG-00-1, 1C-130(M)E-2-93FI-00-1, 1C-130(M)E-2-8, 1C-130(M)E-2-13										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.3.6.1.1 Perform Checks										
17.3.6.1.1.1 Operational check	*							-	-	-
17.3.6.1.1.2 Extend/Retract Checkout								-	-	-
17.3.6.1.1.3 Alarm and Warning Checkout	*							-	-	-
17.3.6.1.1.4 No Alarm Checkout								-	-	-
17.3.6.1.2 Remove and install (R&I)										
17.3.6.1.2.1 Receiver								-	-	-
17.3.6.1.2.2 Power Supply								-	-	-
17.3.6.1.2.3 ECA								-	-	-
17.3.6.1.2.4 Set Control								-	-	-
17.3.6.1.2.5 Mount Base								-	-	-
17.3.6.1.2.6 Extend/Retract Control Panel								-	-	-
17.3.6.1.2.7 Monitor Panel								-	-	-
17.3.6.1.2.8 Extend/Retract Actuator (Ballscrew)								-	-	-
17.3.6.1.2.9 Pneumatic Panel Components								-	-	-
17.3.6.1.2.10 Pneumatic Door Actuator								-	-	-
17.3.6.1.2.11 FLIR Position Indicator (FPI)								-	-	-
17.3.6.1.2.12 Closeout Panel								-	-	-
17.3.6.1.3 Adjust Cable Tension, Door Actuator								-	-	-
17.3.6.1.4 Perform Slave Synchro Adjustment								-	-	-
17.3.6.1.5 Service Ballscrew Actuator								-	-	-
17.3.6.1.6 Fault isolation								-	-	-
17.3.6.1.7 Aircraft Avionic Systems Integration								-	-	-
17.3.6.1.8 Perform Phase Inspection								-	-	-
17.3.6.2 Pneumatic System										
17.3.6.2.1 Adjust Pressure								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
17.3.6.2.2 Adjust Door Opening Speed								-	-	-
17.3.6.2.3 Clean/Replace Pneumatic Panel Filter								-	-	-
17.3.6.2.4 Drain Pneumatic Panel Filter								-	-	-
17.3.6.3 Fault isolation								-	-	-
17.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.3.6.5 Perform Phase Inspection								-	-	-
17.3.7 MISCELLANEOUS										
17.3.7.1 Indicators and Displays TR: Applicable Job Guides										
17.3.7.1.1 Remove and install (R&I)										
17.3.7.1.1.1 Horizontal Situation Indicator								-	-	-
17.3.7.1.1.2 Attitude Direction Indicator								-	-	-
17.3.7.1.1.3 Bearing Direction Heading Indicator								-	-	-
17.3.7.1.1.4 Radio Magnetic Indicator								-	-	-
17.3.7.1.1.5 Control Display Unit (Mission Computer)								-	-	-
17.3.7.1.1.6 Altimeter-Encoder								-	-	-
17.3.7.1.1.7 Monitor								-	-	-
17.4 MC-130H ON-EQUIPMENT MAINTENANCE										
17.4.1 GENERAL ORGANIZATIONAL MAINTENANCE										
17.4.1.1 Aircraft Familiarization								-	-	-
17.4.1.2 Major Structure Areas								-	-	-
17.4.1.3 Major Systems								-	-	-
17.4.2 GENERAL MAINTENANCE TASKS										
17.4.2.1 Technical order familiarization								-	-	-
17.4.2.2 Flightline safety/precautions/security	*							-	-	-
17.4.2.3 Introduction to aircraft/airframe familiarization								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
17.4.2.5 Inspection/operation portable external electrical power unit								-	-	-
17.4.2.6 Inspect/use ground maintenance stands								-	-	-
17.4.2.7 Dropped object prevention program (DOPP)								-	-	-
17.4.2.8 Statically ground aircraft								-	-	-
17.4.2.9 Apply/disconnect external electrical power unit	*							-	-	-
17.4.2.10 Apply Cooling Air to aircraft	*							-	-	-
17.4.2.11 Perform aircraft wash								-	-	-
17.4.2.12 Refuel/defuel Aircraft										
17.4.2.12.1 Refuel/Defuel supervisor								-	-	-
17.4.2.12.2 SPR Panel Operator								-	-	-
17.4.2.12.3 Flight Deck Fuel Panel Operator								-	-	-
17.4.2.13 Open and close engine cowling								-	-	-
17.4.2.14 Remove and install (R&I) aircraft maintenance access panels								-	-	-
17.4.2.15 Open and Close Nose Wheel Door								-	-	-
17.4.2.16 Open and Close Nose Radome								-	-	-
17.4.2.17 Perform aircraft marshaling procedures								-	-	-
17.4.2.18 Tow Aircraft										
17.4.2.18.1 Perform wing/tail walker duties								-	-	-
17.4.2.18.2 Brake Operator								-	-	-
17.4.2.19 Jack Aircraft										
17.4.2.19.1 Jacking team supervisor								-	-	-
17.4.2.19.2 Jacking team member								-	-	-
17.4.3 COMMUNICATIONS SYSTEMS										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.1 AN/AIC-30 Interphone TR: 1C-130(M)H-2-34JG-50-1, 1C-130(M)H-2-34FI-50-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.1.1 Perform operational check								-	-	-
17.4.3.1.2 Remove and install (R&I)										
17.4.3.1.2.1 Communication Switching Unit (CSU)								-	-	-
17.4.3.1.2.2 Intercommunication System (ICS) Control Panel								-	-	-
17.4.3.1.2.3 ICS Monitor Panel								-	-	-
17.4.3.1.2.4 Auxiliary Control Panel								-	-	-
17.4.3.1.2.5 Audio Frequency Amplifier								-	-	-
17.4.3.1.2.6 Control Wheel ICS/RAD Switch								-	-	-
17.4.3.1.2.7 Control Wheel CALL Switch								-	-	-
17.4.3.1.2.8 Foot Switch								-	-	-
17.4.3.1.2.9 Interphone Junction Box								-	-	-
17.4.3.1.2.10 Communication Cord								-	-	-
17.4.3.1.3 Fault isolation								-	-	-
17.4.3.1.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.1.5 Perform Phase Inspection								-	-	-
17.4.3.2 AN/ARC-190 HF Communications TR: 1C-130(M)H-2-34JG-10-1, 1C-130(M)H-2-FI-10-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.2.1 Perform operational checks	*							-	-	-
17.4.3.2.2 Remove and install (R&I)										
17.4.3.2.2.1 Receiver/Transmitter								-	-	-
17.4.3.2.2.2 Mount								-	-	-
17.4.3.2.2.3 Automatic Control Processor								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.2.2.4 HF Antenna and Lead								-	-	-
17.4.3.2.2.5 Antenna Coupler								-	-	-
17.4.3.2.2.6 Antenna Coupler Mount								-	-	-
17.4.3.2.2.7 Bus Link								-	-	-
17.4.3.2.3 Fault isolation								-	-	-
17.4.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.2.5 Perform Phase Inspection								-	-	-
17.4.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-130(M)H-2-23JG-10-2, 1C-130(M)H-2-23FI-2-10-2, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.3.1 Perform operational check	*							-	-	-
17.4.3.3.2 Remove and install (R&I)										-
17.4.3.3.2.1 Basic Terminal Unit (BTU)								-	-	-
17.4.3.3.2.2 COMSEC Module (KYV-5)								-	-	-
17.4.3.3.2.3 ANDVT Fill Battery								-	-	-
17.4.3.3.2.4 Split Remote Control Unit (SRCU)								-	-	-
17.4.3.3.3 Fault isolation								-	-	-
17.4.3.3.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.3.5 Perform Phase Inspection								-	-	-
17.4.3.4 AN/ARC-222 VHF Communications TR: 1C-130(M)H-2-23JG-20-2, 1C-130(M)H-2-23FI-20-2, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.4.1 Perform operational check								-	-	-
17.4.3.4.2 Remove and install (R&I)										
17.4.3.4.2.1 Receiver/Transmitter								-	-	-
17.4.3.4.2.2 Antenna								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.4.2.3 Logic Control Unit (LCU)								-	-	-
17.4.3.4.2.4 UHF/VHF RF Switch								-	-	-
17.4.3.4.3 Fault isolation								-	-	-
17.4.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.4.5 Perform Phase Inspection								-	-	-
17.4.3.5 AN/ARC-164 UHF Communications TR: 1C-130(M)H-2-23JG-20-1, 1C-130(M)H-2-23FI-20-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.5.1 Perform operational check	*							-	-	-
17.4.3.5.2 Remove and install (R&I)										
17.4.3.5.2.1 Receiver/Transmitter								-	-	-
17.4.3.5.2.2 Antenna								-	-	-
17.4.3.5.2.3 Back-up Control Panel								-	-	-
17.4.3.5.2.4 UHF/VHF RF Switch								-	-	-
17.4.3.5.3 Fault isolation								-	-	-
17.4.3.5.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.5.5 Perform Phase Inspection								-	-	-
17.4.3.6 TSEC/KY-58 UHF/VHF Secure Speech TR: 1C-130(M)H-2-23JG-20-3, 1C-130(M)H-2-23FI-20-3, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.6.1 Perform operational check	*							-	-	-
17.4.3.6.2 Remove and install (R&I)										
17.4.3.6.2.1 Processor								-	-	-
17.4.3.6.2.2 Adapter Interface								-	-	-
17.4.3.6.2.3 Processor Battery								-	-	-
17.4.3.6.2.4 Remote Control Unit (RCU)								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.6.3 Fault isolation								-	-	-
17.4.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.6.5 Perform Phase Inspection								-	-	-
17.4.3.7 TSEC/KY-100 UHF/VHF Secure Speech TR: 1C-130(M)H-2-23JG-20-3, 1C-130(M)H-2-23FI-20-3, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.7.1 Perform operational check	*							-	-	-
17.4.3.7.2 Remove and install (R&I)										
17.4.3.7.2.1 Processor								-	-	-
17.4.3.7.2.2 Processor Battery								-	-	-
17.4.3.7.2.3 Remote Control Unit (RCU)								-	-	-
17.4.3.7.3 Fault isolation								-	-	-
17.4.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.7.5 Perform Phase Inspection								-	-	-
17.4.3.8 AN/ARC-187 Satellite Communications TR: 1C-130(M)H-2-23JG-30-1, 1C-130(M)H-2-23FI-30-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.8.1 Perform operational check	*							-	-	-
17.4.3.8.2 Remove and install (R&I)										
17.4.3.8.2.1 Receiver/Transmitter								-	-	-
17.4.3.8.2.2 Receiver/Transmitter Mount								-	-	-
17.4.3.8.2.3 Antenna								-	-	-
17.4.3.8.2.4 Preamplifier								-	-	-
17.4.3.8.2.5 Radio Set Controller (RSC)								-	-	-
17.4.3.8.2.6 Interface Unit								-	-	-
17.4.3.8.2.7 DAMA Modem								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.8.2.8 Modem Mount								-	-	-
17.4.3.8.2.9 Modem Control Indicator								-	-	-
17.4.3.8.3 Fault isolation								-	-	-
17.4.3.8.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.8.5 Perform Phase Inspection								-	-	-
17.4.3.9 Digital Data System TR: 1C-130(M)H-2-23JG-20-1, 1C-130(M)H-2-23FI-30-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.9.1 Perform operational check	*							-	-	-
17.4.3.9.2 Remove and install (R&I)										
17.4.3.9.2.1 VDC-300 Airborne Data Controller								-	-	-
17.4.3.9.2.2 Digital Switching Unit (DSU)								-	-	-
17.4.3.9.2.3 Digital Data Input/Output Panel								-	-	-
17.4.3.9.2.4 Auxiliary DDIO Panel								-	-	-
17.4.3.9.2.5 Data I/O Device (Laptop)								-	-	-
17.4.3.9.3 Fault isolation								-	-	-
17.4.3.9.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.9.5 Perform Phase Inspection								-	-	-
17.4.3.10 AN/A1C-13 Public Address System TR:1C-130(M)H-2-23JG-40-1, 1C-130(M)H-2-23FI-40-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.10.1 Perform operational check								-	-	-
17.4.3.10.2 Remove and install (R&I)										
17.4.3.10.2.1 Control Panel (NAV/EWO)								-	-	-
17.4.3.10.2.2 Microphone Amplifier								-	-	-
17.4.3.10.2.3 Audio Amplifier								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.10.2.4 Speaker Amplifier								-	-	-
17.4.3.10.2.5 Loudspeaker								-	-	-
17.4.3.10.2.6 Hand-Held Microphone								-	-	-
17.4.3.10.2.7 Auxiliary Control Panel (FWD PA)								-	-	-
17.4.3.10.2.8 Auxiliary Control Panel (Jump PA)								-	-	-
17.4.3.10.2.9 Select Panel (Pilot PA)								-	-	-
17.4.3.10.3 Fault isolation								-	-	-
17.4.3.10.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.10.5 Perform Phase Inspection								-	-	-
17.4.3.11 Model A100 Flight Voice Recorder TR: 1C-130H-2-31JG-30-1, 1C-130H-25FI-00-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.11.1 Perform operational check								-	-	-
17.4.3.11.2 Remove and install (R&I)										
17.4.3.11.2.1 Voice Recorder								-	-	-
17.4.3.11.2.2 Control Unit								-	-	-
17.4.3.11.2.3 Test Switch								-	-	-
17.4.3.11.2.4 Microphone								-	-	-
17.4.3.11.3 Fault isolation								-	-	-
17.4.3.11.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.11.5 Perform Phase Inspection								-	-	-
17.4.3.12 Underwater Locator Beacon (ULB) TR:1C-130(M)H-2-25JG-00-1, 1C-130(M)H-2-25FI-00-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.3.12.1 Perform operational check								-	-	-
17.4.3.12.2 Remove and install (R&I)										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.3.12.2.1 Underwater Locator Beacon								-	-	-
17.4.3.12.2.2 Battery								-	-	-
17.4.3.12.3 Fault isolation								-	-	-
17.4.3.12.4 Aircraft Avionic Systems Integration								-	-	-
17.4.3.12.5 Perform Phase Inspection								-	-	-
17.4.4 NAVIGATION SYSTEMS										
17.4.4.1 AN/APX-100 Identification Friend or Foe (IFF) TR: 1C-130(M)H-2-34JG-40-8, 1C-130(M)H-2-34FI-50-8, 1C-130(M)H-2-8, 1C-130(M)H-213										
17.4.4.1.1 Perform operational check	*							-	-	-
17.4.4.1.2 Remove and install (R&I)										-
17.4.4.1.2.1 WOW Override Panel								-	-	-
17.4.4.1.2.2 Receiver/Transmitter								-	-	-
17.4.4.1.2.3 Receiver/Transmitter Mount								-	-	-
17.4.4.1.2.4 Antennas								-	-	-
17.4.4.1.2.5 Mode 4 Computer								-	-	-
17.4.4.1.2.6 Mode 4 Computer Battery								-	-	-
17.4.4.1.3 Fault isolation								-	-	-
17.4.4.1.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.1.5 Perform Phase Inspection								-	-	-
17.4.4.2 AN/ARN-147 VOR/ILS/MB TR: 1C-130(M)H-2-34JG-50-2, 1C-130(M)H-2-34FI-50-2, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.4.2.1 Perform operational check								-	-	-
17.4.4.2.2 Remove and install (R&I)										
17.4.4.2.2.1 Receiver								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.4.2.2.2 Backup Control Box								-	-	-
17.4.4.2.2.3 VOR Antenna								-	-	-
17.4.4.2.2.4 GS Antenna								-	-	-
17.4.4.2.2.5 MB Antenna								-	-	-
17.4.4.2.2.6 MB Panel								-	-	-
17.4.4.2.3 Fault isolation								-	-	-
17.4.4.2.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.2.5 Perform Phase Inspection								-	-	-
17.4.4.3 AN/ARN-118 Tactical Air Navigation (TACAN) TR: 1C-130(M)H-2-34JG-50-1, 1C-130(M)H-2-34FI-50-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.4.3.1 Perform operational check								-	-	-
17.4.4.3.2 Remove and install (R&I)										
17.4.4.3.2.1 Receiver/Transmitter								-	-	-
17.4.4.3.2.2 Mount								-	-	-
17.4.4.3.2.3 Antenna								-	-	-
17.4.4.3.3 Fault isolation								-	-	-
17.4.4.3.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.3.5 Perform Phase Inspection								-	-	-
17.4.4.4 Inertial Navigation System (INS) TR: 1C-130(M)H-2-34JG-40-1, 1C-130(M)H-2-34FI-40-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.4.4.1 Perform operational check								-	-	-
17.4.4.4.2 Remove and install (R&I)										
17.4.4.4.2.1 INU								-	-	-
17.4.4.4.2.2 INU Mount								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.4.4.2.3 INU Battery								-	-	-
17.4.4.4.2.4 INU Fan								-	-	-
17.4.4.4.3 Fault isolation								-	-	-
17.4.4.4.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.4.5 Perform Phase Inspection								-	-	-
17.4.4.5 AN/ARN-151 Global Positioning System (GPS) TR: 1C-130(M)H-2-34JG-50-6, 1C-130(M)H-2-34FI-50-6, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.4.5.1 Perform operational checks	*							-	-	-
17.4.4.5.2 Remove and install (R&I)										
17.4.4.5.2.1 Receiver								-	-	-
17.4.4.5.2.2 Receiver Mount								-	-	-
17.4.4.5.2.3 Control Display Unit (CDU)								-	-	-
17.4.4.5.2.4 Antenna								-	-	-
17.4.4.5.2.5 Antenna Controller								-	-	-
17.4.4.5.2.6 Remote Fill Port Panel								-	-	-
17.4.4.5.3 Fault isolation								-	-	-
17.4.4.5.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.5.5 Perform Phase Inspection								-	-	-
17.4.4.6 DF-206A Low Frequency Automatic Direction Finder System TR: 1C-130(M)H-2-34JG-40-4, 1C-130(M)H-2-34FI-50-4, 1C-130(M)H-5-8, 1C-130(M)H-2-13										
17.4.4.6.1 Perform operational check								-	-	-
17.4.4.6.2 Remove and install (R&I)										
17.4.4.6.2.1 Receiver								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.4.6.2.2 Mount								-	-	-
17.4.4.6.2.3 Loop Antenna								-	-	-
17.4.4.6.2.4 Sense Antenna								-	-	-
17.4.4.6.3 Fault isolation								-	-	-
17.4.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.6.5 Perform Phase Inspection								-	-	-
17.4.4.7 OA-6897 UHF/VHF Automatic Direction Finder TR: 1C-130(M)H-2-34JG-50-4, 1C-130(M)H-2-34FI-50-4, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.4.7.1 Perform operational check								-	-	-
17.4.4.7.2 Remove and install (R&I)										
17.4.4.7.2.1 Antenna/Receiver								-	-	-
17.4.4.7.2.2 UHF-VHF RF Switch								-	-	-
17.4.4.7.3 Fault isolation								-	-	-
17.4.4.7.4 Aircraft Avionic Systems Integration								-	-	-
17.4.4.7.5 Perform Phase Inspection								-	-	-
17.4.5 RADAR SYSTEMS										
17.4.5.1 AN/APQ-170 Radar System TR: 1C-130(M)H-2-34JG-40-4-1, -40-4-2, 1C-130(M)H-2-34FI-40-4-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.5.1.1 Perform operational check								-	-	-
17.4.5.1.2 Remove and install (R&I)										
17.4.5.1.2.1 X-Band Signal Data Converter (SDC)								-	-	-
17.4.5.1.2.2 X-Band SDC Mount								-	-	-
17.4.5.1.2.3 Ku-Band Signal Data Converter (SDC)								-	-	-
17.4.5.1.2.4 Ku-Band SDC Mount								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.5.1.2.5 WOW Override Switch Panel								-	-	-
17.4.5.1.2.6 Signal Processor Computer (SPC)								-	-	-
17.4.5.1.2.7 SPC Mount								-	-	-
17.4.5.1.2.8 RADAR/IDS Maintenance Switch Panel								-	-	-
17.4.5.1.2.9 X-Band Antenna								-	-	-
17.4.5.1.2.10 X-Band Receiver/Transmitter								-	-	-
17.4.5.1.2.11 Power Supply								-	-	-
17.4.5.1.2.12 Power Supply Mount								-	-	-
17.4.5.1.2.13 Ku-Band Receiver/Transmitter								-	-	-
17.4.5.1.2.14 Ku-Band Antenna								-	-	-
17.4.5.1.2.15 Radar Waveguides								-	-	-
17.4.5.1.2.16 X-Band Dummy Load								-	-	-
17.4.5.1.2.17 Ku-Band Dummy Load								-	-	-
17.4.5.1.2.18 X-Band Receiver/Transmitter Desiccators								-	-	-
17.4.5.1.2.19 Ku-Band Receiver/Transmitter Desiccators								-	-	-
17.4.5.1.3 Perform Boresight								-	-	-
17.4.5.1.4 Use Radar Maintenance Crane										
17.4.5.1.4.1 Set Up Radar Maintenance Crane								-	-	-
17.4.5.1.4.2 Breakdown Radar Maintenance Crane								-	-	-
17.4.5.1.4.3 Inspect Radar Maintenance Crane								-	-	-
17.4.5.1.5 Fault isolation								-	-	-
17.4.5.1.6 Aircraft Avionic Systems Integration								-	-	-
17.4.5.1.7 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.5.2 Waveguide Pressurization TR: 1C-130-(M)H-2-34JG-40-4-1, -40-4-2, 1C-130(M)H-2-34FI-40-4-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.5.2.1 Perform operational check								-	-	-
17.4.5.2.2 Remove and install (R&I)										
17.4.5.2.2.1 Pressure Control Panel								-	-	-
17.4.5.2.2.2 Air Compressor								-	-	-
17.4.5.2.2.3 Pressure Switch No. 1								-	-	-
17.4.5.2.2.4 Dehydrator/Desiccant								-	-	-
17.4.5.2.2.5 Main Control Panel								-	-	-
17.4.5.2.2.6 Pressure Switch No. 2								-	-	-
17.4.5.2.2.7 Pressure Switch No. 3								-	-	-
17.4.5.2.2.8 Pressure Tank								-	-	-
17.4.5.2.2.9 Solenoid Bleed Valves								-	-	-
17.4.5.2.2.10 Shutoff Valves								-	-	-
17.4.5.2.3 Fault isolation								-	-	-
17.4.5.2.4 Aircraft Avionic Systems Integration								-	-	-
17.4.5.2.5 Perform Phase Inspection								-	-	-
17.4.5.3 AN/APN-232 Combined Altitude Radar Altimeter (CARA) TR: 1C-130(M)H-2-34JG-50-5, 1C-130(M)H-2-34FI-50-5, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.5.3.1 Perform operational check	*							-	-	-
17.4.5.3.2 Remove and install (R&I)										
17.4.5.3.2.1 Receiver/Transmitter								-	-	-
17.4.5.3.2.2 Indicator								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.5.3.2.3 Antennas								-	-	-
17.4.5.3.2.4 Signal Data Converter (SDC)								-	-	-
17.4.5.3.3 Adjust Altitude								-	-	-
17.4.5.3.4 Fault isolation								-	-	-
17.4.5.3.5 Aircraft Avionic Systems Integration								-	-	-
17.4.5.3.6 Perform Phase Inspection								-	-	-
17.4.5.4 CN-1605A Interference Blanking Unit TR: 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.5.4.1 Perform operational checks								-	-	-
17.4.5.4.2 Remove and install (R&I) IBU								-	-	-
17.4.5.4.3 Fault isolation								-	-	-
17.4.5.4.4 Aircraft Avionic Systems Integration								-	-	-
17.4.5.4.5 Perform Phase Inspection								-	-	-
17.4.6 MISSION SYSTEMS										
17.4.6.1 AN/AAQ-15/-17A Infrared Detecting Set TR: 1C-130(H)M-2-93JG-00-1, 1C-130(H)M-2-93FI-00-1, 1C-130(M)H-2-8, 1C-130(M)H-2-13										
17.4.6.1.1 Perform operational check	*							-	-	-
17.4.6.1.2 Remove and install (R&I)										
17.4.6.1.2.1 Control Converter								-	-	-
17.4.6.1.2.2 Receiver								-	-	-
17.4.6.1.2.3 Close out Panel								-	-	-
17.4.6.1.2.4 Video Splitter								-	-	-
17.4.6.1.2.5 Radar IDS Maintenance Switch								-	-	-
17.4.6.1.3 Perform Boresight								-	-	-
17.4.6.1.4 Perform Set Defaults								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.4.6.1.5 Perform Window Cleaning								-	-	-
17.4.6.1.6 Fault isolation								-	-	-
17.4.6.1.7 Aircraft Avionic Systems Integration								-	-	-
17.4.6.1.8 Perform Phase Inspection								-	-	-
17.4.6.2 Airborne Video Cassette Recorder System (AVCRS) TR: 1C-130(M)H-2-93JG-00-1, 1C-130(M)H-2-93FI-00-1, 1C-130(M)H-2-93GS-00-1, 1C-130(M)H-2-13										
17.4.6.2.1 Perform operational check								-	-	-
17.4.6.2.2 Remove and install (R&I)										
17.4.6.2.2.1 Video Cassette Recorder								-	-	-
17.4.6.2.2.2 Video Distribution Unit								-	-	-
17.4.6.2.2.3 Control Panel								-	-	-
17.4.6.2.2.4 Source Select Panel								-	-	-
17.4.6.2.2.5 Scan Converter								-	-	-
17.4.6.2.2.6 Audio Select Panel								-	-	-
17.4.6.2.2.7 Clean VCR								-	-	-
17.4.6.2.3 Fault isolation								-	-	-
17.4.6.2.4 Aircraft Avionics Systems Integration								-	-	-
17.4.6.2.5 Perform Phase Inspection								-	-	-
17.4.7 MISCELLANEOUS										
17.4.7.1 Indicators and Displays TR: Applicable Job Guides										-
17.4.7.1.1 Remove and install (R&I)										
17.4.7.1.1.1 Horizontal Situation Indicator								-	-	-
17.4.7.1.1.2 Attitude Direction Indicator								-	-	-
17.4.7.1.1.3 Bearing Direction Heading Indicator								-	-	-
17.4.7.1.1.4 Radio Magnetic Indicator								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
17.4.7.1.1.5 Video Display Terminal (VDT)								-	-	-
17.4.7.1.1.6 Altimeter-Encoder								-	-	-
17.5 MC-130P ON-EQUIPMENT MAINTENANCE										
17.5.1 GENERAL ORGANIZATIONAL MAINTENANCE										
17.5.1.1 Aircraft Familiarization								-	-	-
17.5.1.2 Major Structure Areas								-	-	-
17.5.1.3 Major Systems								-	-	-
17.5.2 GENERAL MAINTENANCE TASKS										
17.5.2.1 Technical order familiarization								-	-	-
17.5.2.2 Flightline safety/precautions/security	*							-	-	-
17.5.2.3 Introduction to aircraft/airframe familiarization								-	-	-
17.5.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
17.5.2.5 Inspect/operate portable external electrical power unit								-	-	-
17.5.2.6 Inspect/use ground maintenance stands								-	-	-
17.5.2.7 Dropped object prevention program (DOPP)								-	-	-
17.5.2.8 Statically ground aircraft								-	-	-
17.5.2.9 Apply/disconnect external electrical power unit	*							-	-	-
17.5.2.10 Perform aircraft wash								-	-	-
17.5.2.11 Refuel/defuel Aircraft										
17.5.2.11.1 Refuel/Defuel Supervisor								-	-	-
17.5.2.11.2 SPR Panel Operator								-	-	-
17.5.2.11.3 Flight deck fuel panel operator								-	-	-
17.5.2.12 Open and close engine cowling								-	-	-
17.5.2.13 Remove and install (R&I) aircraft maintenance access panels								-	-	-
17.5.2.14 Open and Close Nose Radome								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.2.15 Open and Close Nose Wheel Door								-	-	-
17.5.2.16 Perform aircraft marshaling procedures								-	-	-
17.5.2.17 Tow Aircraft										
17.5.2.17.1 Perform wing/tail walker duties								-	-	-
17.5.2.17.2 Brake Operator								-	-	-
17.5.2.18 Jack Aircraft										
17.5.2.18.1 Jacking supervisor								-	-	-
17.5.2.18.2 Jacking team member								-	-	-
17.5.2.19 Operate aircraft GTC								-	-	-
17.5.3 COMMUNICATIONS SYSTEMS										
17.5.3.1 AN/AIC-18/AIC-25 Interphone TR: 1C-130H-2-23JG-40-1, 1C-130H-2-23FI-40-11, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.1.1 Perform operational check								-	-	-
17.5.3.1.2 Remove and install										
17.5.3.1.2.1 INTER/INPH Control Panel								-	-	-
17.5.3.1.2.2 Monitor Panel								-	-	-
17.5.3.1.2.3 Auxiliary ICS Control Panel								-	-	-
17.5.3.1.2.4 Master Volume control Panel								-	-	-
17.5.3.1.2.5 Missile Warning Audio Monitor Panel								-	-	-
17.5.3.1.2.6 AUX Radio Select Panel								-	-	-
17.5.3.1.2.7 INTER/MIC Control Switch								-	-	-
17.5.3.1.2.8 Foot Switch								-	-	-
17.5.3.1.2.9 Communication Cord								-	-	-
17.5.3.1.3 Fault isolation								-	-	-
17.5.3.1.4 Aircraft Avionic Systems Integration								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.1.5 Perform Phase Inspection								-	-	-
17.5.3.2 AN/ARC-190 HF Communications TR: 1C-130H-2-34JG-10-1, 1C-130H-2-23FI-10-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.2.1 Perform operational check	*							-	-	-
17.5.3.2.2 Remove and install (R&I)										
17.5.3.2.2.1 Receiver/Transmitter								-	-	-
17.5.3.2.2.2 Mount								-	-	-
17.5.3.2.2.3 Automatic Control Processor								-	-	-
17.5.3.2.2.4 Antenna Coupler								-	-	-
17.5.3.2.2.5 Antenna Mast/Lighting Arrestor								-	-	-
17.5.3.2.2.6 External Wire Antenna								-	-	-
17.5.3.2.3 Fault isolation								-	-	-
17.5.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.2.5 Perform Phase Inspection								-	-	-
17.5.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1C-130HJ-2-23JG-10-2, 1C-130H-2-23FI-2-10, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.3.1 Perform operational check	*							-	-	-
17.5.3.3.2 Remove and install										-
17.5.3.3.2.1 Basic Terminal Unit (BTU)								-	-	-
17.5.3.3.2.2 COMSEC Module (KYV-5)								-	-	-
17.5.3.3.2.3 ANDVT Fill Battery								-	-	-
17.5.3.3.2.4 Split Remove Control Unit (SRCU)								-	-	-
17.5.3.3.3 Fault isolation								-	-	-
17.5.3.3.4 Aircraft Avionic Systems Integration								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.3.5 Perform Phase Inspection								-	-	-
17.5.3.4 AN/ARC-513 VHF-FM Communications TR: C-130H-2-23JG-20-1, 1C-130H-2-23FI-20-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.4.1 Perform operational check								-	-	-
17.5.3.4.2 Remove and install										
17.5.3.4.2.1 Receiver/Transmitter								-	-	-
17.5.3.4.2.2 Antenna								-	-	-
17.5.3.4.2.3 Control Panel								-	-	-
17.5.3.4.3 Fault isolation								-	-	-
17.5.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.4.5 Perform Phase Inspection								-	-	-
17.5.3.5 AN/ARC-186 VHF Communications TR: 1C-130H-2-23JF-20-1, 1C-130H-2-23FI-20-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.5.1 Perform operational check								-	-	-
17.5.3.5.2 Remove and install										
17.5.3.5.2.1 Receiver/Transmitter								-	-	-
17.5.3.5.2.2 Antenna								-	-	-
17.5.3.5.2.3 Signal Data Comparator (SDC)								-	-	-
17.5.3.5.2.4 Homing Indicator								-	-	-
17.5.3.5.2.5 Homing Antenna								-	-	-
17.5.3.5.3 Fault isolation								-	-	-
17.5.3.5.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.5.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.6 AN/ARC-222 VHF Communications TR: 1C-130H-2-23JG-20-1, 1C-130H-2-23FI-20-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.6.1 Perform operational check								-	-	-
17.5.3.6.2 Remove and install										
17.5.3.6.2.1 Receiver/Transmitter								-	-	-
17.5.3.6.2.2 Antenna								-	-	-
17.5.3.6.2.3 Logic Control Unit (LCU)								-	-	-
17.5.3.6.2.4 Radio Control Set (RCS)								-	-	-
17.5.3.6.2.5 Signal Data Comparator (SDC)								-	-	-
17.5.3.6.3 Fault isolation								-	-	-
17.5.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.6.5 Perform Phase Inspection								-	-	-
17.5.3.7 AN/ARC-164 UHF Communications TR: 1C-130H-2-23Jg-20-1, 1C-130H-2-23FI-20-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.7.1 Perform operational check	*							-	-	-
17.5.3.7.2 Remove and install										
17.5.3.7.2.1 Receiver/Transmitter								-	-	-
17.5.3.7.2.2 Antenna								-	-	-
17.5.3.7.2.3 Control Panel								-	-	-
17.5.3.7.2.4 Antenna Coax Switch								-	-	-
17.5.3.7.2.5 Antenna Selector Panel								-	-	-
17.5.3.7.3 Fault isolation								-	-	-
17.5.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.7.5 Perform Phase Inspections								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.8 TSEC/KY-58 UHF/VHF Secure Speech TR: 1C-130H-2-23JG-20-2, 1C-130H-2-23FI-20-2, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.8.1 Perform operational check	*							-	-	-
17.5.3.8.2 Remove and install										
17.5.3.8.2.1 Processor								-	-	-
17.5.3.8.2.2 Adapter Interface								-	-	-
17.5.3.8.2.3 Processor Battery								-	-	-
17.5.3.8.2.4 Remote Control Unit (RCU)								-	-	-
17.5.3.8.3 Fault isolation								-	-	-
17.5.3.8.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.8.5 Perform Phase Inspection								-	-	-
17.5.3.9 TSEC/KY-100 UHF/VHF Secure Speech TR: 1C-130H-2-23JG-20-2, 1C-130H-2-23FI20-2, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.9.1 Perform operational check	*							-	-	-
17.5.3.9.2 Remove and install										
17.5.3.9.2.1 Processor								-	-	-
17.5.3.9.2.2 Processor Battery								-	-	-
17.5.3.9.2.3 Remote Control Unit (RCU)								-	-	-
17.5.3.9.3 Fault isolation								-	-	-
17.5.3.9.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.9.5 Perform Phase Inspection								-	-	-
17.5.3.10 URC-133 Satellite Communications Terminal (DAMA) TR: 1C-130(H)H-2-11, 1C-130(H)H-2-13										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.10.1 Perform operational check	*							-	-	-
17.5.3.10.2 Remove and install										
17.5.3.10.2.1 URC-133 Unit								-	-	-
17.5.3.10.2.2 Receiver/Transmitter								-	-	-
17.5.3.10.2.3 Receiver/Transmitter Mount								-	-	-
17.5.3.10.2.4 Antenna								-	-	-
17.5.3.10.2.5 Pre-amplifier								-	-	-
17.5.3.10.2.6 Radio Set Controller (RSC)								-	-	-
17.5.3.10.2.7 Interface Unit								-	-	-
17.5.3.10.2.8 DAMA Modem								-	-	-
17.5.3.10.2.9 Modem Mount								-	-	-
17.5.3.10.2.10 Modem Control Indicator								-	-	-
17.5.3.10.2.11 VDC-300 Data Controller								-	-	-
17.5.3.10.3 Operate								-	-	-
17.5.3.10.3.1 Auxiliary Panel								-	-	-
17.5.3.10.3.2 Data I/O Device (Laptop)								-	-	-
17.5.3.10.4 Fault isolation								-	-	-
17.5.3.10.5 Aircraft Avionic Systems Integration								-	-	-
17.5.3.10.6 Perform Phase Inspection								-	-	-
17.5.3.11 AN/AIC-13 Public Address System TR: 1C-130H-2-23JG-30-1, 1C-130H-2-23FI-30-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.11.1 Perform operational check								-	-	-
17.5.3.11.2 Remove and install										
17.5.3.11.2.1 Main Control Panel								-	-	-
17.5.3.11.2.2 System Amplifier								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.11.2.3 System Loudspeaker								-	-	-
17.5.3.11.2.4 Hand-Held Microphone								-	-	-
17.5.3.11.3 Fault isolation								-	-	-
17.5.3.11.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.11.5 Perform Phase Inspection								-	-	-
17.5.3.12 Emergency Locator Transmitter (ELT) TR: 1C-130H-2-25JG-00-1, 1C-130H-2-25FI-00-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.12.1 Perform operational checks								-	-	-
17.5.3.12.2 Remove and install (R&I)										
17.5.3.12.2.1 Transmitter								-	-	-
17.5.3.12.2.2 Control Panel								-	-	-
17.5.3.12.2.3 Antenna								-	-	-
17.5.3.12.2.4 Battery Pack								-	-	-
17.5.3.12.3 Fault isolation								-	-	-
17.5.3.12.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.12.5 Perform Phase Inspection								-	-	-
17.5.3.13 Underwater Acoustical Beacon (UAB) TR: 1C-130H-2-25JG-00-1, 1C-130H-2-25FI-00-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.13.1 Perform operational check								-	-	-
17.5.3.13.2 Remove and install (R&I)										
17.5.3.13.2.1 Underwater Locator Beacon								-	-	-
17.5.3.13.2.2 Battery								-	-	-
17.5.3.13.3 Fault isolation								-	-	-
17.5.3.13.4 Aircraft Avionic Systems Integration								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.3.13.5 Perform Phase Inspection								-	-	-
17.5.3.14 Model A100 Flight Voice Recorder TR: 1C-130H-2-31JG-30-1-1, 1C-130H-2-31FI-00-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.3.14.1 Perform operational check								-	-	-
17.5.3.14.2 Remove and install										
17.5.3.14.2.1 Voice Recorder								-	-	-
17.5.3.14.2.2 Control Unit								-	-	-
17.5.3.14.2.3 Test Switch								-	-	-
17.5.3.14.2.4 Microphone								-	-	-
17.5.3.14.3 Fault isolation								-	-	-
17.5.3.14.4 Aircraft Avionic Systems Integration								-	-	-
17.5.3.14.5 Perform Phase Inspection								-	-	-
17.5.4 NAVIGATION SYSTEMS										
17.5.4.1 Self-Contained Navigation System (SCNS) TR: 1C-130H-2-34JG-40-1, 1C-130H-2-34FI-40-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.1.1 Perform operational check	*							-	-	-
17.5.4.1.2 Remove and install										
17.5.4.1.2.1 BICU								-	-	-
17.5.4.1.2.2 IDCU								-	-	-
17.5.4.1.2.3 SCNS Control Panel								-	-	-
17.5.4.1.2.4 Interface Receptacle Unit								-	-	-
17.5.4.1.2.5 DVS								-	-	-
17.5.4.1.2.6 Dehydrator								-	-	-
17.5.4.1.2.7 INU								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.4.1.2.8 INU Mount								-	-	-
17.5.4.1.2.9 INU Battery Unit								-	-	-
17.5.4.1.2.10 INU Fan/Filter Unit								-	-	-
17.5.4.1.2.11 SCNS Relay								-	-	-
17.5.4.1.2.12 Data Bus Coupler								-	-	-
17.5.4.1.3 Fault isolation								-	-	-
17.5.4.1.4 Aircraft Avionic Systems integration								-	-	-
17.5.4.1.5 Perform Phase Inspection								-	-	-
17.5.4.2 AN/APX-64 Identification Friend or Foe (IFF) TR: 1C-130H-2-34JG-40-3, 1C-130H-2-34FI-40-4, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.2.1 Perform operational check								-	-	-
17.5.4.2.2 Remove and install										
17.5.4.2.2.1 Control Panel								-	-	-
17.5.4.2.2.2 Receiver/Transmitter								-	-	-
17.5.4.2.2.3 Antennas								-	-	-
17.5.4.2.2.4 Mode 4 Computer								-	-	-
17.5.4.2.2.5 Mode 4 Computer Battery								-	-	-
17.5.4.2.2.6 Ant Switch and Caution Light Panel								-	-	-
17.5.4.2.2.7 Antenna Switching Unit								-	-	-
17.5.4.2.2.8 Transponder Test Set								-	-	-
17.5.4.2.3 Fault isolation								-	-	-
17.5.4.2.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.2.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.4.3 AN/ARN-147 VOR/ILS/MB TR: 1C-130H-2-34JG-50-1, 1C-130H-2-34FI-50-2, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.3.1 Perform operational check								-	-	-
17.5.4.3.2 Remove and install										
17.5.4.3.2.1 Receiver								-	-	-
17.5.4.3.2.2 VOR Antenna								-	-	-
17.5.4.3.2.3 GS Antenna								-	-	-
17.5.4.3.2.4 MB Antenna								-	-	-
17.5.4.3.2.5 MB Panel								-	-	-
17.5.4.3.3 Fault isolation								-	-	-
17.5.4.3.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.3.5 Perform Phase Inspection								-	-	-
17.5.4.4 AN/ARN-152 Microwave Landing System TR: 1C-130(H)H-2-11, 1C-130(H)H-213										
17.5.4.4.1 Perform operational check								-	-	-
17.5.4.4.2 Remove and install										
17.5.4.4.2.1 Receiver								-	-	-
17.5.4.4.2.2 Antenna								-	-	-
17.5.4.4.2.3 Splitters								-	-	-
17.5.4.4.2.4 Data Bus Coupler								-	-	-
17.5.4.4.3 Fault isolation								-	-	-
17.5.4.4.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.4.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.4.5 AN/ARN-118 Tactical Air Navigation (TACAN) TR: 1C-130H-2-34JG-50-1, 1C-130-2-34FI-50-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.5.1 Perform operational check								-	-	-
17.5.4.5.2 Remove and install										
17.5.4.5.2.1 Receiver/Transmitter								-	-	-
17.5.4.5.2.2 Mount								-	-	-
17.5.4.5.2.3 D/A Converter (MX Adapter)								-	-	-
17.5.4.5.2.4 Coupler								-	-	-
17.5.4.5.2.5 Antennas								-	-	-
17.5.4.5.3 Fault isolation								-	-	-
17.5.4.5.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.5.5 Perform Phase Inspection								-	-	-
17.5.4.6 AN/ARN-151 Global Positioning System (GPS) TR: 1C-130(H)H-2-34JG-50-2, 1C-130(H)H-2-34FI-50-5, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.6.1 Perform operational check	*							-	-	-
17.5.4.6.2 Remove and install										
17.5.4.6.2.1 Receiver								-	-	-
17.5.4.6.2.2 Receiver Mount								-	-	-
17.5.4.6.2.3 Antenna								-	-	-
17.5.4.6.2.4 Antenna Controller								-	-	-
17.5.4.6.2.5 Fill Panel								-	-	-
17.5.4.6.2.6 Battery								-	-	-
17.5.4.6.2.7 Control Crypto Interface Unit								-	-	-
17.5.4.6.3 Fault isolation								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.6.5 Perform Phase Inspection								-	-	-
17.5.4.7 DFA-730 Automatic Direction Finder TR: 1C-130H-2-34JG-50-1, 1C-130H-2-34FI-50-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.7.1 Perform operational check								-	-	-
17.5.4.7.2 Remove and install										
17.5.4.7.2.1 Receiver								-	-	-
17.5.4.7.2.2 Control Panel								-	-	-
17.5.4.7.2.3 Loop Antenna								-	-	-
17.5.4.7.2.4 Sense Antenna								-	-	-
17.5.4.7.3 Fault isolation								-	-	-
17.5.4.7.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.7.5 Perform Phase Inspection								-	-	-
17.5.4.8 AN/ARA-25/50 UHF/VHF Direction Finder TR: 1C-130H-2-34JG-40-3, 1C-130H-2-34FI-50-4, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.4.8.1 Perform operational checks								-	-	-
17.5.4.8.2 Remove and install										
17.5.4.8.2.1 Power Supply								-	-	-
17.5.4.8.2.2 Amplifier (Preamp)								-	-	-
17.5.4.8.2.3 Antenna								-	-	-
17.5.4.8.3 Fault isolation								-	-	-
17.5.4.8.4 Aircraft Avionic Systems Integration								-	-	-
17.5.4.8.5 Perform Phase Inspection								-	-	-
17.5.5 RADAR SYSTEMS										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.5.1 AN/APN-59 Radar TR: 1C-130H-2-34JG-40-2, 1C-130H-2-34FI-40-2, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.5.1.1 Perform operational check								-	-	-
17.5.5.1.2 Remove and install										
17.5.5.1.2.1 Radar Set Control								-	-	-
17.5.5.1.2.2 Video Control Panel								-	-	-
17.5.5.1.2.3 Video Select Panel								-	-	-
17.5.5.1.2.4 ECA								-	-	-
17.5.5.1.2.5 Digital Scan Converter (DSC)								-	-	-
17.5.5.1.2.6 Pilot Display								-	-	-
17.5.5.1.2.7 Nav Monitor								-	-	-
17.5.5.1.2.8 Glare Shield Monitor								-	-	-
17.5.5.1.2.9 Stab Unit (Gyro)								-	-	-
17.5.5.1.2.10 Receiver/Transmitter								-	-	-
17.5.5.1.2.11 Antenna								-	-	-
17.5.5.1.2.12 Fan								-	-	-
17.5.5.1.3 Fault isolation								-	-	-
17.5.5.1.4 Aircraft Avionic Systems Integration								-	-	-
17.5.5.1.5 Perform Phase Inspection								-	-	-
17.5.5.2 AN/ASQ-14 Waveguide Pressurization TR: 1C-130H-2-34JG-40-2-1, 1C-130H-2-34FI-40-2, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.5.2.1 Perform operational check								-	-	-
17.5.5.2.2 Remove and install										
17.5.5.2.2.1 Air Compressor								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.5.2.2.2 Pressure Switch								-	-	-
17.5.5.2.2.3 Control Panel								-	-	-
17.5.5.2.2.4 Dehydrator/Desiccant								-	-	-
17.5.5.2.3 Fault isolation								-	-	-
17.5.5.2.4 Aircraft Avionic Systems Integration								-	-	-
17.5.5.2.5 Perform Phase Inspection								-	-	-
17.5.5.3 AN/APN-232 Combined Altitude Radar Altimeter (CARA) TR: 1C-130H-2-34JG-40-5, 1C-130H-2-34FI-40-7, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.5.3.1 Perform operational check	*							-	-	-
17.5.5.3.2 Remove and install										
17.5.5.3.2.1 Receiver/Transmitter								-	-	-
17.5.5.3.2.2 Indicator								-	-	-
17.5.5.3.2.3 Antenna								-	-	-
17.5.5.3.2.4 Signal Data Converter (SDC)								-	-	-
17.5.5.3.3 Adjust Altitude								-	-	-
17.5.5.3.4 Fault isolation								-	-	-
17.5.5.3.5 Aircraft Avionic Systems Integration								-	-	-
17.5.5.3.6 Perform Phase Inspection								-	-	-
17.5.6 MISSION SYSTEMS										
17.5.6.1 AN/AAQ-17 Infrared Detecting Set TR: 1C-130(M)P-2-93JG-00-1, 1C-130(M)P-2-93FI-00-1, 1C-130(H)H-2-11, 1C-130(H)H-2-13										
17.5.6.1.1 Perform operational check	*							-	-	-
17.5.6.1.2 Remove and install										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.5.6.1.2.1 Infrared Receiver								-	-	-
17.5.6.1.2.2 Control Converter								-	-	-
17.5.6.1.2.3 IR Set Control								-	-	-
17.5.6.1.2.4 Gimbal Position Control Unit								-	-	-
17.5.6.1.2.5 Close Out Panel								-	-	-
17.5.6.1.3 Load Boresight Values								-	-	-
17.5.6.1.4 Perform Set Defaults								-	-	-
17.5.6.1.5 Fault isolation								-	-	-
17.5.6.1.6 Aircraft Avionic Systems Integration								-	-	-
17.5.6.1.7 Perform Phase Inspection								-	-	-
17.5.7 MISCELLANEOUS										
17.5.8 Indicators and Displays								-	-	-
17.5.8.1 Remove and install TR: Applicable Job Guides										
17.5.8.1.1 Horizontal Situation Indicator								-	-	-
17.5.8.1.2 Attitude Direction Indicator								-	-	-
17.5.8.1.3 Bearing Direction Heading Indicator								-	-	-
17.5.8.1.4 Radio Magnetic Indicator								-	-	-
17.5.8.1.5 Altimeter-Encoder								-	-	-
17.5.8.1.6 Monitors								-	-	-
17.6 MH-53J/M ON-EQUIPMENT MAINTENANCE										
17.6.1 GENERAL ORGANIZATIONAL MAINTENANCE										-
17.6.1.1 Aircraft Familiarization								-	-	-
17.6.1.2 Major Structure Areas								-	-	-
17.6.1.3 Major Systems								-	-	-
17.6.2 GENERAL MAINTENANCE TASKS										
17.6.2.1 Technical order familiarization								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.2.2 Flightline safety/precautions/security	*							-	-	-
17.6.2.3 Introduction to aircraft/airframe familiarization								-	-	-
17.6.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
17.6.2.5 Inspect/operate portable external electrical power unit								-	-	-
17.6.2.6 Inspect/use ground maintenance stands								-	-	-
17.6.2.7 Dropped object prevention program (DOPP)								-	-	-
17.6.2.8 Statically ground aircraft								-	-	-
17.6.2.9 Apply/disconnect external electrical power unit	*							-	-	-
17.6.2.10 Perform aircraft wash								-	-	-
17.6.2.11 Refuel/defuel Aircraft										
17.6.2.11.1 Refuel/Defuel Supervisor								-	-	-
17.6.2.11.2 Flight deck Fuel Panel Operator								-	-	-
17.6.2.12 Open and close engine cowling								-	-	-
17.6.2.13 Remove and install aircraft maintenance access panels								-	-	-
17.6.2.14 Open and Close Nose Radome								-	-	-
17.6.2.15 Perform aircraft marshaling procedures								-	-	-
17.6.2.16 Tow Aircraft										
17.6.2.16.1 Perform wing/tail walker duties								-	-	-
17.6.2.16.2 Brake Operator								-	-	-
17.6.2.17 Jack Aircraft										
17.6.2.17.1 Jacking team supervisor								-	-	-
17.6.2.17.2 Jacking team member								-	-	-
17.6.2.18 Operate aircraft APP								-	-	-
17.6.2.19 Blade Fold Member								-	-	-
17.6.3 COMMUNICATIONS SYSTEMS										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.1 AN/AIC-33 Interphone TR: 1H-53(M)J-2--7										
17.6.3.1.1 Perform operational check								-	-	-
17.6.3.1.2 Remove and install (R&I)										
17.6.3.1.2.1 Crew Station Unit (CSU)								-	-	-
17.6.3.1.2.2 Maintenance Station Unit (MSU)								-	-	-
17.6.3.1.2.3 Central Control Unit (CCU)								-	-	-
17.6.3.1.2.4 CCU Mount								-	-	-
17.6.3.1.2.5 Auxiliary Audio Panel (AAP)								-	-	-
17.6.3.1.2.6 Default Monitor Panel (DMP)								-	-	-
17.6.3.1.2.7 ICS Auxiliary Backup Switch								-	-	-
17.6.3.1.2.8 Matrix Control Panel (MCP)								-	-	-
17.6.3.1.2.9 Switch Matrix Unit (SMU)								-	-	-
17.6.3.1.2.10 Cipher Text Indicator Panel								-	-	-
17.6.3.1.2.11 MIC/ICS Switch								-	-	-
17.6.3.1.2.12 Communication Cord								-	-	-
17.6.3.1.3 Fault isolation								-	-	-
17.6.3.1.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.1.5 Perform Phase Inspection								-	-	-
17.6.3.2 AN/ARC-190 HF Communications TR: 1H-53(M)J-2-7										
17.6.3.2.1 Perform operational check	*							-	-	-
17.6.3.2.2 Remove and install										
17.6.3.2.2.1 Receiver/Transmitter								-	-	-
17.6.3.2.2.2 Mount								-	-	-
17.6.3.2.2.3 Automatic Control Processor								-	-	-
17.6.3.2.2.4 Antenna Coupler								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.2.2.5 Antenna Coupler Mount								-	-	-
17.6.3.2.2.6 Radio Set Control								-	-	-
17.6.3.2.2.7 External Wire Antenna and Mast								-	-	-
17.6.3.2.3 Fault isolation								-	-	-
17.6.3.2.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.2.5 Perform Phase Inspection								-	-	-
17.6.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: 1H-53(M)J-2-7										
17.6.3.3.1 Perform operational check	*							-	-	-
17.6.3.3.2 Remove and install										
17.6.3.3.2.1 Basic Terminal Unit (BTU)								-	-	-
17.6.3.3.2.2 COMSEC Module (KYV-5)								-	-	-
17.6.3.3.2.3 ANDVT Fill Battery								-	-	-
17.6.3.3.2.4 Split Remove Control Unit (SRCU)								-	-	-
17.6.3.3.3 Fault isolation								-	-	-
17.6.3.3.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.3.5 Perform Phase Inspection								-	-	-
17.6.3.4 AN/ARC-222 VHF Communications TR: 1H-53(M)J-2-7										
17.6.3.4.1 Perform operational check								-	-	-
17.6.3.4.2 Remove and install										
17.6.3.4.2.1 Receiver/Transmitter								-	-	-
17.6.3.4.2.2 Receiver/Transmitter Mount								-	-	-
17.6.3.4.2.3 Radio Set Control (RSC)								-	-	-
17.6.3.4.2.4 Antenna								-	-	-
17.6.3.4.2.5 Logic Control Unit (LCU)								-	-	-
17.6.3.4.2.6 Low Pass Filter								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.4.3 Fault isolation								-	-	-
17.6.3.4.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.4.5 Perform Phase Inspection								-	-	-
17.6.3.5 AN/ARC-164 UHF Communications TR: 1H-53(M)J-2-7										
17.6.3.5.1 Perform operational check	*							-	-	-
17.6.3.5.2 Remove and install										
17.6.3.5.2.1 Receiver/Transmitter								-	-	-
17.6.3.5.2.2 Antenna								-	-	-
17.6.3.5.2.3 Control Panel								-	-	-
17.6.3.5.2.4 Antenna Coax Switch								-	-	-
17.6.3.5.3 Fault isolation								-	-	-
17.6.3.5.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.5.5 Perform Phase Inspection								-	-	-
17.6.3.6 TSEC/KY-58 UHF/VHF Secure Speech TR: 1H-53(M)J-2-7										
17.6.3.6.1 Perform operational check	*							-	-	-
17.6.3.6.2 Remove and install										
17.6.3.6.2.1 Processor								-	-	-
17.6.3.6.2.2 Adapter Interface								-	-	-
17.6.3.6.2.3 Processor Battery								-	-	-
17.6.3.6.2.4 Remote Control Unit (RCU)								-	-	-
17.6.3.6.3 Fault isolation								-	-	-
17.6.3.6.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.6.5 Perform Phase Inspection								-	-	-
17.6.3.7 TSEC/KY-100 UHF/VHF Secure Speech TR: 1H-53(M)J-2-7										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.7.1 Perform operational check	*							-	-	-
17.6.3.7.2 Remove and install (R&I)										
17.6.3.7.2.1 Processor								-	-	-
17.6.3.7.2.2 Processor Battery								-	-	-
17.6.3.7.2.3 Remote Control Unit (RCU)								-	-	-
17.6.3.7.3 Fault isolation								-	-	-
17.6.3.7.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.7.5 Perform Phase Inspection								-	-	-
17.6.3.8 AN/ARC-187 Satellite Communications (SATCOM) TR: 1H-53(MJ-2-7)										
17.6.3.8.1 Perform operational check	*							-	-	-
17.6.3.8.2 Remove and install								-	-	-
17.6.3.8.2.1 Receiver/Transmitter								-	-	-
17.6.3.8.2.2 Receiver/Transmitter Mount										
17.6.3.8.2.3 Antenna								-	-	-
17.6.3.8.2.4 Preamplifier								-	-	-
17.6.3.8.2.5 Preamplifier Mount								-	-	-
17.6.3.8.2.6 Radio Set Controller								-	-	-
17.6.3.8.2.7 Interface Unit								-	-	-
17.6.3.8.2.8 DAMA Modem								-	-	-
17.6.3.8.2.9 Modem Mount								-	-	-
17.6.3.8.2.10 Modem Control Indicator								-	-	-
17.6.3.8.2.11 VDC-300 Data Controller								-	-	-
17.6.3.8.2.12 Operator Auxiliary Panel								-	-	-
17.6.3.8.2.13 Mode/Antenna Switch Panel								-	-	-
17.6.3.8.2.14 Data I/O Device (Laptop)								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.8.3 Fault isolation								-	-	-
17.6.3.8.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.8.5 Perform Phase Inspection								-	-	-
17.6.3.9 AN/UIH-5 Cabin Address System TR: 1H-53(M)J-2-7										
17.6.3.9.1 Perform operational check								-	-	-
17.6.3.9.2 Remove and install										
17.6.3.9.2.1 Main Control Panel								-	-	-
17.6.3.9.2.2 System Amplifier								-	-	-
17.6.3.9.2.3 System Loudspeaker								-	-	-
17.6.3.9.2.4 Hand-Held Microphone								-	-	-
17.6.3.9.3 Fault isolation								-	-	-
17.6.3.9.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.9.5 Perform Phase Inspection								-	-	-
17.6.3.10 Voice Warning System TR: 1H-53(M)J-2-7										
17.6.3.10.1 Perform operational check								-	-	-
17.6.3.10.2 Remove and install										
17.6.3.10.2.1 Voice Recorder								-	-	-
17.6.3.10.2.2 Control Unit								-	-	-
17.6.3.10.2.3 Test Switch								-	-	-
17.6.3.10.2.4 Microphone								-	-	-
17.6.3.10.3 Fault isolation								-	-	-
17.6.3.10.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.10.5 Perform Phase Inspection								-	-	-
17.6.3.11 Command and Control (C2) Console TR: 1H-53(M)J-2-7										
17.6.3.11.1 Perform operational check								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.3.11.2 Remove and install										
17.6.3.11.2.1 Console								-	-	-
17.6.3.11.2.2 Console Interface Panel								-	-	-
17.6.3.11.2.3 SATCOM Antenna								-	-	-
17.6.3.11.2.4 Preampifier								-	-	-
17.6.3.11.2.5 Antenna Switching Relay Assembly								-	-	-
17.6.3.11.3 Fault isolation								-	-	-
17.6.3.11.4 Aircraft Avionic Systems Integration								-	-	-
17.6.3.11.5 Perform Phase Inspections								-	-	-
17.6.4 NAVIGATION SYSTEMS										
17.6.4.1 AN/APX-64 Identification Friend or Foe (IFF) TR: 1H-53(M)J-2-7										-
17.6.4.1.1 Perform operational check	*							-	-	-
17.6.4.1.2 Remove and install										
17.6.4.1.2.1 Control Panel								-	-	-
17.6.4.1.2.2 Receiver/Transmitter								-	-	-
17.6.4.1.2.3 Receiver/Transmitter Mount								-	-	-
17.6.4.1.2.4 Antenna								-	-	-
17.6.4.1.2.5 Mode 4 Computer								-	-	-
17.6.4.1.2.6 Mode 4 Computer Battery								-	-	-
17.6.4.1.2.7 Antenna Switch Select Panel								-	-	-
17.6.4.1.2.8 Antenna Switching Unit								-	-	-
17.6.4.1.2.9 Transponder Test Unit								-	-	-
17.6.4.1.3 Fault isolation								-	-	-
17.6.4.1.4 Aircraft Avionic Systems Integration								-	-	-
17.6.4.1.5 Perform Phase Inspection								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.4.2 Identification Friend or FOE (IFF) Transponders TR: 1H-53(M)J-2-7										-
17.6.4.2.1 General system knowledge										-
17.6.4.2.2 Perform operational check	*									-
17.6.4.2.2.1 Mode 1, Mode 2, Mode 3A, Mode C										-
17.6.4.2.2.2 Mode 4										-
17.6.4.2.2.3 Mode S										-
17.6.4.2.3 Remove and install Antenna										-
17.6.4.2.4 Troubleshoot to LRUs										-
17.6.4.2.5 Troubleshoot to other than LRUs										-
17.6.4.3 AN/ARN-147 VOR/ILS/MB TR: 1H-53(M)J-2-7										
17.6.4.3.1 Perform operational check										-
17.6.4.3.2 Remove and install										
17.6.4.3.2.1 Receiver										-
17.6.4.3.2.2 Control Box										-
17.6.4.3.2.3 VOR/LOC Antenna										-
17.6.4.3.2.4 GS Antenna										-
17.6.4.3.2.5 MB Antenna										-
17.6.4.3.2.6 Azimuth Switching Unit										-
17.6.4.3.2.7 MB Light Assembly										-
17.6.4.3.3 Fault isolation										-
17.6.4.3.4 Aircraft Avionic Systems Integration										-
17.6.4.3.5 Perform Phase Inspection										-
17.6.4.4 AN/ARN-118 Tactical Air Navigation (TACAN) TR: 1H-53(M)J-2-7										
17.6.4.4.1 Perform operational check										-
17.6.4.4.2 Remove and install										

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.4.4.2.1 Control Box								-	-	-
17.6.4.4.2.2 Receiver/Transmitter								-	-	-
17.6.4.4.2.3 Mount								-	-	-
17.6.4.4.2.4 D/A Converter (MX Adapter)								-	-	-
17.6.4.4.2.5 NAV Relay Unit								-	-	-
17.6.4.4.2.6 HSI Switch								-	-	-
17.6.4.4.2.7 Antennas								-	-	-
17.6.4.4.3 Fault isolation								-	-	-
17.6.4.4.4 Aircraft Avionic Systems Integration								-	-	-
17.6.4.4.5 Perform Phase Inspection								-	-	-
17.6.4.5 Inertial Navigation Unit TR: 1H-53(M)J-2-8										
17.6.4.5.1 Perform operational check								-	-	-
17.6.4.5.2 Remove and install										
17.6.4.5.2.1 INU								-	-	-
17.6.4.5.2.2 INU Mount								-	-	-
17.6.4.5.2.3 INU Battery								-	-	-
17.6.4.5.2.4 INU Fan								-	-	-
17.6.4.5.3 Fault isolation								-	-	-
17.6.4.5.4 Aircraft Avionic Systems Integration								-	-	-
17.6.4.5.5 Perform Phase Inspection								-	-	-
17.6.4.6 AN/ARN-151 Global Positioning System (GPS) TR: 1H-53(M)J-2-8										
17.6.4.6.1 Perform operational check	*							-	-	-
17.6.4.6.2 Remove and install										
17.6.4.6.2.1 Receiver								-	-	-
17.6.4.6.2.2 Receiver Mount								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.4.6.2.3 Control Display Unit (CDU)								-	-	-
17.6.4.6.2.4 Antenna								-	-	-
17.6.4.6.2.5 Antenna Controller								-	-	-
17.6.4.6.2.6 Remote Fill Port Panel								-	-	-
17.6.4.6.2.7 Battery								-	-	-
17.6.4.6.3 Fault isolation								-	-	-
17.6.4.6.4 Aircraft Avionic Systems Integration								-	-	-
17.6.4.6.5 Perform Phase Inspection								-	-	-
17.6.4.7 AN/APN-221 Doppler Navigation System TR: 1H-53(M)J-2-8										
17.6.4.7.1 Perform operational check								-	-	-
17.6.4.7.2 Remove and install (R&I)										
17.6.4.7.2.1 Control Display Unit (CDU)								-	-	-
17.6.4.7.2.2 Signal Data Converter (SDC)								-	-	-
17.6.4.7.2.3 Steering/Hover Indicator Unit (SHIU)								-	-	-
17.6.4.7.2.4 Radar Transmitter/Receiver (RTR)								-	-	-
17.6.4.7.3 Load Doppler Memory Correction Factors								-	-	-
17.6.4.7.4 Fault isolation								-	-	-
17.6.4.7.5 Aircraft Avionic Systems Integration								-	-	-
17.6.4.7.6 Perform Phase Inspection								-	-	-
17.6.4.8 AN/ARS-6 Personnel Locator System (PLS) TR: 1H-53(M)J-2-7										
17.6.4.8.1 Perform operational check								-	-	-
17.6.4.8.2 Remove and install										
17.6.4.8.2.1 Control Display Unit								-	-	-
17.6.4.8.2.2 Remote Display Unit								-	-	-
17.6.4.8.2.3 Receiver/Transmitter								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.4.8.2.4 Receiver/Transmitter Mount								-	-	-
17.6.4.8.2.5 Antenna								-	-	-
17.6.4.8.2.6 Antenna Switching Unit								-	-	-
17.6.4.8.3 Fault isolation								-	-	-
17.6.4.8.4 Aircraft Avionics Systems Integration								-	-	-
17.6.4.8.5 Perform Phase Inspection								-	-	-
17.6.4.9 OZ-72(V)2(C)/A Multi-Mission Advanced Tactical Terminal (MATT) TR: 1H-53(M)J-2-8										
17.6.4.9.1 Perform operational check								-	-	-
17.6.4.9.2 Remove and install										
17.6.4.9.2.1 Receiver								-	-	-
17.6.4.9.2.2 COMSEC Module								-	-	-
17.6.4.9.3 Load and Verify OFF Procedures								-	-	-
17.6.4.9.4 Fault isolation								-	-	-
17.6.4.9.5 Aircraft Avionic Systems Integration								-	-	-
17.6.4.9.6 Perform Phase Inspections								-	-	-
17.6.5 RADAR SYSTEMS										
17.6.5.1 AN/APQ-158 Radar TR: 1H-53(M)J-2-8										
17.6.5.1.1 Perform operational check								-	-	-
17.6.5.1.2 Remove and install (R&I)										
17.6.5.1.2.1 Transmitter								-	-	-
17.6.5.1.2.2 Antenna Receiver								-	-	-
17.6.5.1.2.3 Radar mount								-	-	-
17.6.5.1.2.4 Signal Data Converter (SDC)								-	-	-
17.6.5.1.2.5 Power Supply-Programmer (PSP)								-	-	-
17.6.5.1.2.6 Radar Control Panel (5 Box )								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.5.1.2.7 TF/Range Control Panel (10 Box )								-	-	-
17.6.5.1.2.8 TF Computer								-	-	-
17.6.5.1.2.9 Radar Indicators								-	-	-
17.6.5.1.2.10 Fault Locator								-	-	-
17.6.5.1.2.11 Turn Rate Supply								-	-	-
17.6.5.1.2.12 Distribution Box								-	-	-
17.6.5.1.2.13 TF Radar Monitor Panel								-	-	-
17.6.5.1.2.14 TF & Obstacle Warning Fail Light Assemblies								-	-	-
17.6.5.1.2.15 Pressure Dehumidifier								-	-	-
17.6.5.1.2.16 Centrifugal Fan								-	-	-
17.6.5.1.2.17 Dehydrator								-	-	-
17.6.5.1.2.18 Turn Rate Gyro								-	-	-
17.6.5.1.3 Perform Adjustments:										
17.6.5.1.3.1 Roll Synchro								-	-	-
17.6.5.1.3.2 Elevation Clamp								-	-	-
17.6.5.1.3.3 Azimuth Clamp								-	-	-
17.6.5.1.3.4 PSP Voltage								-	-	-
17.6.5.1.3.5 Dither								-	-	-
17.6.5.1.3.6 Antenna Tilt								-	-	-
17.6.5.1.3.7 Antenna Receiver LO Lock-On								-	-	-
17.6.5.1.3.8 Local Oscillator								-	-	-
17.6.5.1.4 Perform Boresight								-	-	-
17.6.5.1.5 Fault isolation								-	-	-
17.6.5.1.6 Aircraft Avionic Systems Integration								-	-	-
17.6.5.1.7 Perform Phase Inspections								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.5.2 AN/APN-232 Combined Altitude Radar Altimeter TR: 1H-53(M)J-2-7										
17.6.5.2.1 Perform operational checks	*							-	-	-
17.6.5.2.2 Remove and install (R&I)										
17.6.5.2.2.1 Receiver/Transmitter								-	-	-
17.6.5.2.2.2 Antenna								-	-	-
17.6.5.2.2.3 Indicator								-	-	-
17.6.5.2.2.4 Signal Data Converter (SDC)								-	-	-
17.6.5.2.3 Adjust Altitude								-	-	-
17.6.5.2.4 Fault isolation								-	-	-
17.6.5.2.5 Aircraft Avionic Systems Integration								-	-	-
17.6.5.2.6 Perform Phase Inspections								-	-	-
17.6.5.3 Radar Beacon Transponder TR: 1H-53(M)J-2-7										
17.6.5.3.1 Perform operational check								-	-	-
17.6.5.3.2 Remove and install										
17.6.5.3.2.1 Receiver/Transmitter								-	-	-
17.6.5.3.2.2 Antenna								-	-	-
17.6.5.3.2.3 Control Panel								-	-	-
17.6.5.3.3 Fault isolation								-	-	-
17.6.5.3.4 Aircraft Avionic Systems Integration								-	-	-
17.6.5.3.5 Perform Phase Inspections								-	-	-
17.6.6 MISSION SYSTEMS										
17.6.6.1 AAQ-18 Forward Looking Infrared System TR: 1H-53(M)J-2-8										
17.6.6.1.1 Perform operational checks	*							-	-	-
17.6.6.1.2 Remove and install										
17.6.6.1.2.1 Receiver								-	-	-

## SOF TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
17.6.6.1.2.2 Power Supply								-	-	-
17.6.6.1.2.3 Electronic Control Amplifier (ECA)								-	-	-
17.6.6.1.2.4 Set Control								-	-	-
17.6.6.1.2.5 Mount Base								-	-	-
17.6.6.1.2.6 Closeout Panel								-	-	-
17.6.6.1.2.7 Sand Intrusion Filtration Kit								-	-	-
17.6.6.1.3 Inspect/Clean Sand Filtration Kit								-	-	-
17.6.6.1.4 Perform Boresight								-	-	-
17.6.6.1.5 Fault isolation								-	-	-
17.6.6.1.6 Aircraft Avionic Systems Integration								-	-	-
17.6.6.1.7 Perform Phase Inspections								-	-	-
17.6.6.2 Airborne Video Tape Recorder (AVTR) TR: Applicable A/C Technical Orders										
17.6.6.2.1 Perform operational checks								-	-	-
17.6.6.2.2 Remove and install										
17.6.6.2.2.1 Recorder								-	-	-
17.6.6.2.2.2 Control Panel								-	-	-
17.6.6.2.2.3 Mount Base								-	-	-
17.6.6.2.3 Fault isolation								-	-	-
17.6.6.2.4 Aircraft Avionic Systems Integration								-	-	-
17.6.6.2.5 Perform Phase Inspections								-	-	-
17.6.7 MISCELLANEOUS TR: Applicable Job Guides										
17.6.7.1 Controls and Displays								-	-	-
17.6.7.1.1 Remove and install										
17.6.7.1.1.1 Horizontal Situation Indicator (HSI)								-	-	-
17.6.7.1.1.2 Altitude Direction Indicator (ADI)								-	-	-

## SOF TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
17.6.7.1.1.3 Bearing Direction Heading Indicator (BDHI)							-	-	-	
17.6.7.1.1.4 Course Indicator (CI)							-	-	-	
17.6.7.1.1.5 Altimeter-Encoder							-	-	-	
17.6.7.1.1.6 Monitors (HDD)							-	-	-	



## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC

**Attachment 18 - SOF OFF-EQUIPMENT MAINTENANCE:**

**NOTE 1:** The apprentice course, J3ABR2A533A048B, Communication/Navigation/Mission Systems Apprentice, will use representative systems to accomplish the specific training requirements as identified by the specific STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS or equipment specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

**NOTE 2:** All course requirements are trained in the 3-level resident course during wartime.

**NOTE 3:** Users are responsible for annotating training references to identify current references pending STS revision.

**NOTE 4:** Items marked in columns 2A or 2b with an \*/R are optional core tasks for ANG and AFRC.

**NOTE 5:** Items coded in column 4A will be trained using Special Operations Forces equipment and systems. If Special Operations Forces equipment and systems are unavailable, representative equipment and systems will be used.

**NOTE 6:** Address comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7891.

<b>18.1 DIRECT SUPPORT EQUIPMENT</b>										
18.1.1 Care for and Handle Test Equipment TR: 1-1A-15, 31-1-141-14								-	-	-
18.1.2 Use/Maintain System Test Sets/Support Equipment TR: 00-20-7										
18.1.2.1 Document AFTO Form 244								-	-	-
18.1.2.2 Document Automated Forms								-	-	-
18.1.3 POD Systems Holding/Storage/Transfer TR: AFOSH STD 91-46										
18.1.3.1 Shipping Container								-	-	-
18.1.3.2 Maintenance Fixture (Portable or Fixed)								-	-	-
18.1.3.3 Transport Trailer								-	-	-
18.1.4 AAM-78 Infrared Test Set TR: 33D5-49-29-1										
18.1.4.1 Test Set										
18.1.4.1.1 Perform operational check								-	-	-
18.1.4.1.2 Perform Scheduled Maintenance								-	-	-
18.1.4.1.3 Troubleshoot								-	-	-
18.1.4.2 Vertical Collimator										
18.1.4.2.1 Perform operational check								-	-	-
18.1.4.2.2 Perform Scheduled Maintenance								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.1.4.2.3 Troubleshoot								-	-	-
18.1.5 AAM-79 Infrared Test Set, Portable										
18.1.5.1 System Run Box										
18.1.5.1.1 Perform Power-Off Operational Check								-	-	-
18.1.5.1.2 Perform Power-On Operational Check								-	-	-
18.1.5.1.3 Perform Scheduled Maintenance								-	-	-
18.1.5.1.4 Troubleshoot								-	-	-
18.1.6 Collimator, Portable TR: 33D5-49-28-1										
18.1.6.1 Perform operational check								-	-	-
18.1.6.2 Perform Scheduled Maintenance								-	-	-
18.1.6.3 Perform Alignment								-	-	-
18.1.6.4 Troubleshoot								-	-	-
18.1.7 AAM-83 Infrared Test Set TR: 33D10-47-15-1										
18.1.7.1 Prepare for Use								-	-	-
18.1.7.2 Perform operational check								-	-	-
18.1.7.3 Perform Scheduled Maintenance								-	-	-
18.1.7.4 Perform Signal Generator Alignment								-	-	-
18.1.7.5 Perform Alignment Using Subassembly Test Set (SSTS)								-	-	-
18.1.7.6 Troubleshoot								-	-	-
18.1.8 Infrared Alignment Unit (IRAU) TR: 33D10-47-16-1										
18.1.8.1 Perform operational check										
18.1.8.1.1 Using AN/AAM-78								-	-	-
18.1.8.1.2 Using AN/AAM-79								-	-	-
18.1.8.1.3 Using AN/AAM-83								-	-	-
18.1.8.1.4 Perform Scheduled Maintenance								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.1.8.2 Perform Alignment										
18.1.8.2.1 Using AN/AAM-78								-	-	-
18.1.8.2.2 Using AN/AAM-79								-	-	-
18.1.8.2.3 Using AN/AAM-83								-	-	-
18.1.8.2.4 Troubleshoot IRAU								-	-	-
18.1.9 GSU-293/E Lift Truck TR: 33D2-36-8-1										
18.1.9.1 Perform Scheduled Maintenance								-	-	-
18.1.10 GSU-316/A/E Lift Truck TR: 33D-3-9-25-1										
18.1.10.1 Perform Scheduled Maintenance								-	-	-
18.1.11 ALLTV Loader Adapter TR: 33DA3-6-40-1										
18.1.11.1 Perform Scheduled Maintenance								-	-	-
18.1.12 ALLTV Manually Operated Lift Truck TR: 35D3-9-23-1										
18.1.12.1 Operate								-	-	-
18.1.12.2 Perform Scheduled Maintenance								-	-	-
18.1.13 AN/APQ-170 TEST PROGRAM SET (TPS) TR: 33D7-44-350-1, 33D7-44-360-1, 33D7-44-361-1, 33E7-44-362-1										
18.1.13.1 Perform operational check										
18.1.13.1.1 Receiver/Transmitter								-	-	-
18.1.13.1.2 Signal Processor Computer (SPC)								-	-	-
18.1.13.1.3 Signal Data Converter (SDC)								-	-	-
18.1.13.1.4 Power Supply								-	-	-
18.1.13.2 Repair										
18.1.13.2.1 Receiver/Transmitter								-	-	-
18.1.13.2.2 Signal Processor Computer (SPC)								-	-	-

**SOF OFF-EQUIPMENT MAINTENANCE**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.1.13.2.3 Signal Data Converter (SDC)								-	-	-
18.1.13.2.4 Power Supply								-	-	-
18.1.14 ELECTRICAL ELECTRONIC EQUIPMENT TEST STATION (EEETS) AN/APQ-170 TR: 33A-1-5-531-1, 33A1-5-531-4										
18.1.14.1 Setup								-	-	-
18.1.14.2 Self Test								-	-	-
18.1.14.3 Inspect								-	-	-
18.1.14.4 Troubleshoot								-	-	-
18.1.14.5 Repair										
18.1.14.5.1 Computer Control Memory Unit (CCMU)								-	-	-
18.1.14.5.2 Signal Generator Converter (SGC)								-	-	-
18.1.14.5.3 Converter Interface (CI)								-	-	-
18.1.14.6 Service Printer (2225HP)								-	-	-
18.1.14.7 Perform Utility Program Operations								-	-	-
18.1.14.8 Perform Calibration Verification								-	-	-
18.1.15 AN/APQ-180 EEETS ANCILLARY EQUIPMENT TR: 33A1-5-531-1, 33A1-5-531-4										
18.1.15.1 Setup								-	-	-
18.1.15.2 Inspect								-	-	-
18.1.15.3 Troubleshoot										
18.1.15.3.1 Fan, Vane axial								-	-	-
18.1.15.3.2 Signal Data Converter								-	-	-
18.1.15.3.3 Power Distribution Panel								-	-	-
18.1.15.3.4 Waveguide Pressurization Unit								-	-	-
18.1.15.3.5 Liquid Cooling Unit								-	-	-

**SOF OFF-EQUIPMENT MAINTENANCE**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.1.15.3.6 Hydraulic Power Supply								-	-	-
18.1.15.3.7 Triaxial Measuring System								-	-	-
18.1.15.4 Repair										
18.1.15.4.1 Fan, Vane axial								-	-	-
18.1.15.4.2 Signal Data Converter								-	-	-
18.1.15.4.3 Power Distribution Panel								-	-	-
18.1.15.4.4 Waveguide Pressurization Unit								-	-	-
18.1.15.4.5 Liquid Cooling Unit								-	-	-
18.1.15.4.6 Hydraulic Power Supply								-	-	-
18.1.15.4.7 Triaxial Measuring System								-	-	-
18.1.16 AN/APQ-180 Test Program Set (TPS) TR: 33D-6-360-1, 33D-6-360-4, 33D-29-103-1, 33D-29-103-4, 33D-35-70-1, 33D-35-70-4, 33D-7-50-2191-1, 33D7-50-2191-4										
18.1.16.1 Perform operational check										
18.1.16.1.1 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-
18.1.16.1.2 Analog-Digital Converter/Receiver- Exciter (ADC/RE) TPS								-	-	-
18.1.16.1.3 Low Voltage Power Supply (LVPS) TPS								-	-	-
18.1.16.1.4 Transmitter TPS								-	-	-
18.1.16.1.5 Antenna TPS								-	-	-
18.1.16.2 Troubleshoot										
18.1.16.2.1 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-
18.1.16.2.2 Analog-Digital Converter/ Receiver-Exciter (ADC/RE) TPS								-	-	-
18.1.16.2.3 Low Voltage Power Supply (LVPS) TPS								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.1.16.2.4 Transmitter TPS								-	-	-
18.1.16.2.5 Antenna TPS								-	-	-
18.1.16.3 Repair										
18.1.16.3.1 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-
18.1.16.3.2 Analog-Digital Converter/Receiver-Exciter (ADC/RE) TPS								-	-	-
18.1.16.3.3 Low Voltage Power Supply (LVPS) TPS								-	-	-
18.1.16.3.4 Transmitter TPS								-	-	-
18.1.16.3.5 Antenna TPS								-	-	-
18.1.17 Interphone System TPS TR: 33D7-50-2157-1, 33D7-50-157-4										
18.1.17.1 Perform operational check								-	-	-
18.1.17.2 Troubleshoot								-	-	-
18.1.17.3 Repair								-	-	-
18.2 RADAR SYSTEMS										
18.2.1 AN/APQ-170 RADAR USING AIRCRAFT RADAR TEST STATION (ARATS) TR: 12P2-2APQ-170 Series										
18.2.1.1 Perform Minimum Performance Check										
18.2.1.1.1 X-Band Antenna								-	-	-
18.2.1.1.2 Ku-Band Antenna								-	-	-
18.2.1.1.3 X-RT								-	-	-
18.2.1.1.4 Ku-RT								-	-	-
18.2.1.1.5 Signal Processor Computer (SPC)								-	-	-
18.2.1.1.6 Signal Data Converter (SDC)								-	-	-
18.2.1.1.7 Power supply (SPS)								-	-	-
18.2.1.2 Align										

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.1.2.1 X-Band Antenna								-	-	-
18.2.1.2.2 Ku-Band Antenna								-	-	-
18.2.1.2.3 X-RT								-	-	-
18.2.1.2.4 Ku-RT								-	-	-
18.2.1.2.5 Signal Processor Computer (SPC)								-	-	-
18.2.1.2.6 Signal Data Converter (SDC)								-	-	-
18.2.1.2.7 Power supply (SPS)								-	-	-
18.2.1.3 Repair										
18.2.1.3.1 X-Band Antenna								-	-	-
18.2.1.3.2 Ku-Band Antenna								-	-	-
18.2.1.3.3 X-RT								-	-	-
18.2.1.3.4 Repair Ku-RT								-	-	-
18.2.1.3.5 Signal Processor Computer (SPC)								-	-	-
18.2.1.3.6 Signal Data Converter (SDC)								-	-	-
18.2.1.3.7 Power supply (SPS)								-	-	-
18.2.1.4 Repair and Phase Match X- and Ku-Band Waveguides Using HP8510										
18.2.1.5 Perform Manual Operation Test								-	-	-
18.2.1.6 Perform Freespace Radiation Test								-	-	-
18.2.1.7 Remove and install										
18.2.1.7.1 Shop Replaceable Units (SRU)								-	-	-
18.2.1.7.2 Components								-	-	-
18.2.1.7.3 Operate peculiar test equipment								-	-	-
18.2.1.7.4 Inspect peculiar test equipment								-	-	-
18.2.1.7.5 Calibrate peculiar test equipment								-	-	-
18.2.2 AN/APQ-170 RADAR USING TEST PROGRAM SETS TR: 12P2-2APQ-170 Series										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.2.1 Operate/Inspect/Calibrate								-	-	-
18.2.2.2 Remove/Install Shop Replaceable Units (SRU) or Components								-	-	-
18.2.2.3 Perform minimum performance checks										
18.2.2.3.1 X-RT								-	-	-
18.2.2.3.2 Ku-RT								-	-	-
18.2.2.3.3 Signal Processor Computer (SPC)								-	-	-
18.2.2.3.4 Signal Data Converter (SDC)								-	-	-
18.2.2.3.5 Power Supply								-	-	-
18.2.2.4 Troubleshoot and repair										
18.2.2.4.1 X-RT								-	-	-
18.2.2.4.2 Ku-RT								-	-	-
18.2.2.4.3 Signal Processor Computer (SPC)								-	-	-
18.2.2.4.4 Power Supply								-	-	-
18.2.3 AN/APQ-180 Radar TR: 12P2-2APQ-180 Series										
18.2.3.1 Perform minimum performance checks										
18.2.3.1.1 Analog/Digital Converter (ADC)								-	-	-
18.2.3.1.2 Radar Data Processor (RDP)								-	-	-
18.2.3.1.3 Radar Signal Processor (RSP)								-	-	-
18.2.3.1.4 Receiver/Exciter (RE)								-	-	-
18.2.3.1.5 Transmitter								-	-	-
18.2.3.1.6 Low Voltage Power Supply (LVPS)								-	-	-
18.2.3.1.7 Antenna								-	-	-
18.2.3.2 Troubleshoot										
18.2.3.2.1 Analog/Digital Converter (ADC)								-	-	-
18.2.3.2.2 Processor (RDP)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
18.2.3.2.3 Processor (RSP)								-	-	-
18.2.3.2.4 Exciter (RE)								-	-	-
18.2.3.2.5 Transmitter								-	-	-
18.2.3.2.6 Low Voltage Power Supply (LVPS)								-	-	-
18.2.3.2.7 Antenna								-	-	-
18.2.3.3 Repair										
18.2.3.3.1 Analog/Digital Converter (ADC)								-	-	-
18.2.3.3.2 Processor (RDP)								-	-	-
18.2.3.3.3 Signal Processor (RSP)								-	-	-
18.2.3.3.4 Receiver/Exciter (RE)								-	-	-
18.2.3.3.5 Transmitter								-	-	-
18.2.3.3.6 Low Voltage Power Supply (LVPS)								-	-	-
18.2.3.3.7 Antenna								-	-	-
18.2.3.4 Perform Boresight/ Harmonization of Antenna								-	-	-
18.2.3.5 Remove and install										
18.2.3.5.1 Shop Replaceable Units (SRU)								-	-	-
18.2.3.5.2 Components								-	-	-
18.2.3.5.3 Operate peculiar test equipment								-	-	-
18.2.3.5.4 Inspect peculiar test equipment								-	-	-
18.2.3.5.5 Calibrate peculiar test equipment								-	-	-
18.2.4 AN/APQ-150 RADAR TR: 12P5-2APQ-150-12										
18.2.4.1 Perform minimum performance checks										
18.2.4.1.1 Control Indicator								-	-	-
18.2.4.1.2 Receiver/Transmitter								-	-	-
18.2.4.1.3 Signal Processor								-	-	-
18.2.4.2 Align										

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
18.2.4.2.1 Control Indicator								-	-	-
18.2.4.2.2 Receiver/Transmitter								-	-	-
18.2.4.2.3 Signal Processor								-	-	-
18.2.4.3 Repair										
18.2.4.3.1 Control Indicator								-	-	-
18.2.4.3.2 Receiver/Transmitter								-	-	-
18.2.4.3.3 Signal Processor								-	-	-
18.2.4.4 Remove and install										
18.2.4.4.1 Shop Replaceable Units (SRU)								-	-	-
18.2.4.4.2 Components								-	-	-
18.2.4.5 Operate peculiar test equipment								-	-	-
18.2.4.6 Inspect peculiar test equipment								-	-	-
18.2.4.7 Calibrate peculiar test equipment								-	-	-
18.2.5 AN/APQ-122 (V-8 SOFI) RADAR TR: 12P5-2APQ-122-191-1										
18.2.5.1 Perform Minimum Performance Check										
18.2.5.1.1 X-Band Receiver/Transmitter								-	-	-
18.2.5.1.2 Ka-Band Receiver/Transmitter								-	-	-
18.2.5.1.3 ECA								-	-	-
18.2.5.1.4 Map Antenna								-	-	-
18.2.5.1.5 Antenna Control								-	-	-
18.2.5.1.6 TF Receiver								-	-	-
18.2.5.1.7 TF Computer								-	-	-
18.2.5.1.8 X-Band Control Box								-	-	-
18.2.5.1.9 Ka-Band Control Box								-	-	-
18.2.5.1.10 Cursor Control Box								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.5.1.11 AOA Probe								-	-	-
18.2.5.1.12 TF Antenna								-	-	-
18.2.5.1.13 DAI								-	-	-
18.2.5.1.14 PSP								-	-	-
18.2.5.1.15 Maintenance Panel								-	-	-
18.2.5.1.16 Power Supply								-	-	-
18.2.5.1.17 Pilot's 5" Monitor								-	-	-
18.2.5.1.18 Navigator's 9" Monitor								-	-	-
18.2.5.1.19 Navigator's 14" Monitor								-	-	-
18.2.5.1.20 Digital Scan Converter								-	-	-
18.2.5.1.21 Pilot's Control Box								-	-	-
18.2.5.1.22 Navigator's Control Box								-	-	-
18.2.5.1.23 Left Navigator's Control Box								-	-	-
18.2.5.1.24 Digital Scan Converter Mount								-	-	-
18.2.5.1.25 Power Supply Mount								-	-	-
18.2.5.2 Align										
18.2.5.2.1 X-Band Receiver/Transmitter								-	-	-
18.2.5.2.2 Ka-Band Receiver/Transmitter								-	-	-
18.2.5.2.3 ECA								-	-	-
18.2.5.2.4 Map Antenna								-	-	-
18.2.5.2.5 Antenna Control								-	-	-
18.2.5.2.6 TF Receiver								-	-	-
18.2.5.2.7 TF Computer								-	-	-
18.2.5.2.8 X-Band Control Box								-	-	-
18.2.5.2.9 Ka-Band Control Box								-	-	-
18.2.5.2.10 Cursor Control Box								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.5.2.11 TF Antenna								-	-	-
18.2.5.2.12 PSP								-	-	-
18.2.5.2.13 Power Supply								-	-	-
18.2.5.2.14 Pilot's 5" Monitor								-	-	-
18.2.5.2.15 Navigator's 9" Monitor								-	-	-
18.2.5.2.16 Navigator's 14" Monitor								-	-	-
18.2.5.2.17 Digital Scan Converter								-	-	-
18.2.5.2.18 Pilot's Control Box								-	-	-
18.2.5.2.19 Navigator's Control Box								-	-	-
18.2.5.2.20 Left Navigator's Control Box								-	-	-
18.2.5.3 Repair										
18.2.5.3.1 X-Band Receiver/Transmitter								-	-	-
18.2.5.3.2 Ka-Band Receiver/Transmitter								-	-	-
18.2.5.3.3 ECA								-	-	-
18.2.5.3.4 Map Antenna								-	-	-
18.2.5.3.5 Antenna Control								-	-	-
18.2.5.3.6 TF Receiver								-	-	-
18.2.5.3.7 TF Computer								-	-	-
18.2.5.3.8 X-Band Control Box								-	-	-
18.2.5.3.9 Ka-Band Control Box								-	-	-
18.2.5.3.10 Cursor Control Box								-	-	-
18.2.5.3.11 TF Antenna								-	-	-
18.2.5.3.12 PSP								-	-	-
18.2.5.3.13 Power Supply								-	-	-
18.2.5.3.14 Pilot's 5" Monitor								-	-	-
18.2.5.3.15 Navigator's 9" Monitor								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.5.3.16 Navigator's 14" Monitor								-	-	-
18.2.5.3.17 Digital Scan Converter								-	-	-
18.2.5.3.18 Pilot's Control Box								-	-	-
18.2.5.3.19 Navigator's Control Box								-	-	-
18.2.5.3.20 Left Navigator's Control Box								-	-	-
18.2.5.3.21 Repair Digital Scan Converter Mount								-	-	-
18.2.5.3.22 Repair Power Supply Mount								-	-	-
18.2.5.4 Remove and install (R&I)										
18.2.5.4.1 Shop Replaceable Units (SRU)								-	-	-
18.2.5.4.2 Components								-	-	-
18.2.5.5 Operate peculiar test equipment								-	-	-
18.2.5.6 Inspect peculiar test equipment								-	-	-
18.2.5.7 Calibrate peculiar test equipment								-	-	-
18.2.6 AN/APQ-158 RADAR TR: 12P2-2APQ-158-12-1										
18.2.6.1 Perform Minimum Performance Check										
18.2.6.1.1 Power Supply								-	-	-
18.2.6.1.2 Transmitter								-	-	-
18.2.6.1.3 Antenna Receiver								-	-	-
18.2.6.1.4 TF Computer								-	-	-
18.2.6.1.5 C-10646 Set Control								-	-	-
18.2.6.1.6 Signal Data Converter								-	-	-
18.2.6.1.7 Fault Locator								-	-	-
18.2.6.1.8 Indicators								-	-	-
18.2.6.1.9 Distribution Box								-	-	-
18.2.6.1.10 TF Range Control Panel								-	-	-
18.2.6.1.11 C-10010 Set Control								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.6.1.12 Pressurizer/Dehumidifier								-	-	-
18.2.6.1.13 Turn Rate Gyro								-	-	-
18.2.6.1.14 Forward Mount Assembly								-	-	-
18.2.6.1.15 Centrifugal Fan								-	-	-
18.2.6.1.16 TF Radar Monitor Panel								-	-	-
18.2.6.1.17 System								-	-	-
18.2.6.2 Align										
18.2.6.2.1 Power Supply								-	-	-
18.2.6.2.2 Transmitter								-	-	-
18.2.6.2.3 Antenna Receiver								-	-	-
18.2.6.2.4 TF Computer								-	-	-
18.2.6.2.5 C-10646 Set Control								-	-	-
18.2.6.2.6 Signal Data Converter								-	-	-
18.2.6.2.7 Fault Locator								-	-	-
18.2.6.2.8 Indicators								-	-	-
18.2.6.2.9 Distribution Box								-	-	-
18.2.6.2.10 TF Range Control Panel								-	-	-
18.2.6.2.11 C-10010 Set Control								-	-	-
18.2.6.2.12 Pressurizer/Dehumidifier								-	-	-
18.2.6.2.13 Turn Rate Gyro								-	-	-
18.2.6.2.14 Forward Mount Assembly								-	-	-
18.2.6.2.15 Centrifugal Fan								-	-	-
18.2.6.2.16 TF Radar Monitor Panel								-	-	-
18.2.6.3 Repair										
18.2.6.3.1 Power Supply								-	-	-
18.2.6.3.2 Transmitter								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.6.3.3 Antenna Receiver								-	-	-
18.2.6.3.4 TF Computer								-	-	-
18.2.6.3.5 C-10646 Set Control								-	-	-
18.2.6.3.6 Signal Data Converter								-	-	-
18.2.6.3.7 Fault Locator								-	-	-
18.2.6.3.8 Indicators								-	-	-
18.2.6.3.9 Distribution Box								-	-	-
18.2.6.3.10 TF Range Control Panel								-	-	-
18.2.6.3.11 C-10010 Set Control								-	-	-
18.2.6.3.12 Pressurizer/ Dehumidifier								-	-	-
18.2.6.3.13 Turn Rate Gyro								-	-	-
18.2.6.3.14 Forward Mount Assembly								-	-	-
18.2.6.3.15 Centrifugal Fan								-	-	-
18.2.6.3.16 TF Radar Monitor Panel								-	-	-
18.2.6.4 Remove and install										
18.2.6.4.1 Shop Replaceable Units (SRU)								-	-	-
18.2.6.4.2 Components								-	-	-
18.2.6.5 Operate peculiar test equipment								-	-	-
18.2.6.6 Inspect peculiar test equipment								-	-	-
18.2.6.7 Calibrate peculiar test equipment								-	-	-
18.2.7 AN/APN-59 Radar TR: 12P5-2APN-59-62										
18.2.7.1 Perform Minimum Performance Check										
18.2.7.1.1 Receiver/Transmitter								-	-	-
18.2.7.1.2 Antenna								-	-	-
18.2.7.1.3 Electronic Control Amplifier								-	-	-
18.2.7.1.4 Power Supply								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.7.1.5 Synchronizer								-	-	-
18.2.7.1.6 Indicator								-	-	-
18.2.7.1.7 Stabilization Unit								-	-	-
18.2.7.1.8 Fan								-	-	-
18.2.7.1.9 System Control Panel								-	-	-
18.2.7.1.10 Synchronizer Control								-	-	-
18.2.7.1.11 Antenna Control								-	-	-
18.2.7.2 Align										
18.2.7.2.1 Receive/Transmitter								-	-	-
18.2.7.2.2 Antenna								-	-	-
18.2.7.2.3 Electronic Control Amplifier								-	-	-
18.2.7.2.4 Power Supply								-	-	-
18.2.7.2.5 Synchronizer								-	-	-
18.2.7.2.6 Indicator								-	-	-
18.2.7.2.7 Stabilization Unit								-	-	-
18.2.7.2.8 Fan								-	-	-
18.2.7.2.9 System Control Panel								-	-	-
18.2.7.2.10 Synchronizer Control								-	-	-
18.2.7.2.11 Antenna Control								-	-	-
18.2.7.3 Repair										
18.2.7.3.1 Receive/Transmitter								-	-	-
18.2.7.3.2 Antenna								-	-	-
18.2.7.3.3 Electronic Control Amplifier								-	-	-
18.2.7.3.4 Power Supply								-	-	-
18.2.7.3.5 Synchronizer								-	-	-
18.2.7.3.6 Indicator								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.2.7.3.7 Stabilization Unit								-	-	-
18.2.7.3.8 Fan								-	-	-
18.2.7.3.9 System Control Panel								-	-	-
18.2.7.3.10 Synchronizer Control								-	-	-
18.2.7.3.11 Antenna Control								-	-	-
18.2.7.4 Remove and install (R&I)										
18.2.7.4.1 Shop Replaceable Units (SRU)								-	-	-
18.2.7.4.2 Components								-	-	-
18.2.7.5 Operate peculiar test equipment								-	-	-
18.2.7.6 Inspect peculiar test equipment								-	-	-
18.2.7.7 Calibrate peculiar test equipment								-	-	-
18.3 COMMUNICATIONS/ NAVIGATION SYSTEMS										
18.3.1 AIC-38/40 INTERPHONE SYSTEM Using Test Program Sets (TPS) TR: 12R2-Series										
18.3.1.1 Perform Minimum Performance Check										
18.3.1.1.1 Communications Control Unit (CCU)								-	-	-
18.3.1.1.2 Communications Station Unit (CSU)								-	-	-
18.3.1.2 Troubleshoot										
18.3.1.2.1 Communications Control Unit (CCU)								-	-	-
18.3.1.2.2 Communications Station Unit (CSU)								-	-	-
18.3.1.3 Repair										
18.3.1.3.1 Communications Control Unit (CCU)								-	-	-
18.3.1.3.2 Communications Station Unit (CSU)								-	-	-
18.3.1.4 Remove and install										
18.3.1.4.1 Shop Replaceable Units (SRU)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.1.4.2 Components								-	-	-
18.3.2 AN/AIC-18-25 Interphone System TR: 12R2-2AIC Series										
18.3.2.1 Perform minimum performance checks								-	-	-
18.3.2.2 Align										
18.3.2.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.2.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.2.3 Repair										
18.3.2.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.2.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.2.4 Remove and install										
18.3.2.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.2.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.2.5 Operate Peculiar Test Equipment								-	-	-
18.3.2.6 Inspect Peculiar Test Equipment								-	-	-
18.3.2.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.2.8 Fabricate test set								-	-	-
18.3.3 AN/ARC-164 UHF Radio System										
18.3.3.1 Perform minimum performance checks								-	-	-
18.3.3.2 Align										
18.3.3.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.3.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.3.3 Repair										
18.3.3.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.3.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.3.4 Remove and install										
18.3.3.4.1 Line Replaceable Units (LRU)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.3.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.3.5 Operate Peculiar Test Equipment								-	-	-
18.3.3.6 Inspect Peculiar Test Equipment								-	-	-
18.3.3.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.4 AN/ARA -25/50, DF-301G & OA -897A UHF Direction Finder System TR: 12R1-2ARA Series										
18.3.4.1 Perform minimum performance checks								-	-	-
18.3.4.2 Align										
18.3.4.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.4.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.4.3 Repair										
18.3.4.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.4.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.4.4 Remove and install (R&I)										
18.3.4.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.4.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.4.5 Operate Peculiar Test Equipment								-	-	-
18.3.4.6 Inspect Peculiar Test Equipment								-	-	-
18.3.4.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.5 AN/ARC-222 VHF Radio System TR: 12R2-2ARC-222 Series										
18.3.5.1 Perform minimum performance checks								-	-	-
18.3.5.2 Align										
18.3.5.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.5.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.5.3 Repair										
18.3.5.3.1 Line Replaceable Units (LRU)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.5.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.5.4 Remove and install										
18.3.5.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.5.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.5.5 Operate Peculiar Test Equipment								-	-	-
18.3.5.6 Inspect Peculiar Test Equipment								-	-	-
18.3.5.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.6 AN/ARC-186 VHF Radio System TR: 12R2-2ARC-186-2										
18.3.6.1 Perform minimum performance checks								-	-	-
18.3.6.2 Align										
18.3.6.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.6.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.6.3 Repair										
18.3.6.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.6.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.6.4 Remove and install										
18.3.6.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.6.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.6.5 Operate Peculiar Test Equipment								-	-	-
18.3.6.6 Inspect Peculiar Test Equipment								-	-	-
18.3.6.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.7 AN/ARC-187 & URC-133 SATCOM Radio System TR: 12R2-2ARC-187-2										
18.3.7.1 Perform minimum performance checks								-	-	-
18.3.7.2 Align										
18.3.7.2.1 Line Replaceable Units (LRU)								-	-	-

**SOF OFF-EQUIPMENT MAINTENANCE**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.7.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.7.3 Repair										
18.3.7.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.7.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.7.4 Remove and install										
18.3.7.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.7.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.7.5 Operate Peculiar Test Equipment								-	-	-
18.3.7.6 Inspect Peculiar Test Equipment								-	-	-
18.3.7.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.8 AN/ARC-190 HF Radio System TR: 12R2-2ARC-190-2										
18.3.8.1 Perform minimum performance checks								-	-	-
18.3.8.2 Align										
18.3.8.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.8.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.8.3 Repair										
18.3.8.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.8.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.8.4 Remove and install										
18.3.8.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.8.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.8.5 Operate Peculiar Test Equipment								-	-	-
18.3.8.6 Inspect Peculiar Test Equipment								-	-	-
18.3.8.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.9 Secure Speech Voice KY-58/100 and ANDVT TR: KMA-Series										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
18.3.9.1 Perform minimum performance checks								-	-	-
18.3.9.2 Align										
18.3.9.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.9.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.9.3 Repair										
18.3.9.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.9.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.9.4 Remove and install (R&I)										
18.3.9.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.9.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.9.5 Operate Peculiar Test Equipment								-	-	-
18.3.9.6 Inspect Peculiar Test Equipment								-	-	-
18.3.9.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.10 APX-64/72/100 IFF Transponders TR: 12P4-2APX Series										
18.3.10.1 Perform minimum performance checks								-	-	-
18.3.10.2 Align										
18.3.10.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.10.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.10.3 Repair										
18.3.10.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.10.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.10.4 Remove and install										
18.3.10.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.10.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.10.5 Operate Peculiar Test Equipment								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.10.6 Inspect Peculiar Test Equipment								-	-	-
18.3.10.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.11 Mode IV Computer TR: KMA Series										
18.3.11.1 Perform minimum performance checks								-	-	-
18.3.11.2 Align										
18.3.11.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.11.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.11.3 Repair										
18.3.11.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.11.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.11.4 Remove and install (R&I)										
18.3.11.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.11.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.11.5 Operate Peculiar Test Equipment								-	-	-
18.3.11.6 Inspect Peculiar Test Equipment								-	-	-
18.3.11.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.12 AN/ARN-118 TACAN System TR: 12R5-2ARN-118-2										
18.3.12.1 Perform minimum performance checks								-	-	-
18.3.12.2 Align										
18.3.12.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.12.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.12.3 Repair										
18.3.12.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.12.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.12.4 Remove and install										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.12.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.12.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.12.5 Operate Peculiar Test Equipment								-	-	-
18.3.12.6 Inspect Peculiar Test Equipment								-	-	-
18.3.12.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.13 AN/ARN-147 VOR System TR: 12R5-2ARN-147-2										
18.3.13.1 Perform minimum performance checks								-	-	-
18.3.13.2 Align										
18.3.13.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.13.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.13.3 Repair										
18.3.13.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.13.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.13.4 Remove and install										
18.3.13.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.13.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.13.5 Operate Peculiar Test Equipment								-	-	-
18.3.13.6 Inspect Peculiar Test Equipment								-	-	-
18.3.13.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.14 AN/ARN-151 GPS System TR: 12R5-2ARN-151-2										
18.3.14.1 Perform minimum performance checks								-	-	-
18.3.14.2 Align										
18.3.14.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.14.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.14.3 Remove and install										

**SOF OFF-EQUIPMENT MAINTENANCE**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.14.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.14.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.14.4 Operate Peculiar Test Equipment								-	-	-
18.3.14.5 Inspect Peculiar Test Equipment								-	-	-
18.3.14.6 Calibrate Peculiar Test Equipment								-	-	-
18.3.15 AN/ARN-6, DF-206, DFA-730, ADF Systems TR: 12R5 Series										
18.3.15.1 Perform minimum performance checks								-	-	-
18.3.15.2 Align										
18.3.15.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.15.2.2 Shop Replaceable Units (LRU)								-	-	-
18.3.15.3 Repair										
18.3.15.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.15.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.15.4 Remove and install										
18.3.15.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.15.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.15.5 Operate Peculiar Test Equipment								-	-	-
18.3.15.6 Inspect Peculiar Test Equipment								-	-	-
18.3.15.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.16 Self-Contained Navigation System TR: 5NI-4-30-2										
18.3.16.1 Perform minimum performance checks								-	-	-
18.3.16.2 Align										
18.3.16.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.16.2.2 Shop Replaceable Units (SRU)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.16.3 Repair								-	-	-
18.3.16.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.16.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.16.4 Remove and install										
18.3.16.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.16.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.16.5 Operate Peculiar Test Equipment								-	-	-
18.3.16.6 Inspect Peculiar Test Equipment								-	-	-
18.3.16.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.17 AN/APN-218/221 Doppler System TR: 12P5-2APN Series										
18.3.17.1 Perform minimum performance checks								-	-	-
18.3.17.2 Align										
18.3.17.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.17.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.17.3 Repair										
18.3.17.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.17.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.17.4 Remove and install										
18.3.17.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.17.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.17.5 Operate Peculiar Test Equipment								-	-	-
18.3.17.6 Inspect Peculiar Test Equipment								-	-	-
18.3.17.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.18 AN/APN-171 Radar Altimeter TR: 12P5-2APN-171-2										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.18.1 Perform minimum performance checks								-	-	-
18.3.18.2 Align										
18.3.18.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.18.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.18.3 Repair										
18.3.18.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.18.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.18.4 Remove and install										
18.3.18.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.18.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.18.5 Operate Peculiar Test Equipment								-	-	-
18.3.18.6 Inspect Peculiar Test Equipment								-	-	-
18.3.18.7 Calibrate Peculiar Test Equipment								-	-	-
18.3.19 Inertial Navigation System TR: 33D7-44-369-1										
18.3.19.1 Perform minimum performance checks								-	-	-
18.3.19.2 Align										
18.3.20 Inertial Navigation System TR: 33D7-44-369-1										
18.3.20.1 Perform minimum performance checks								-	-	-
18.3.20.2 Align										
18.3.20.2.1 Line Replaceable Units (LRU)								-	-	-
18.3.20.2.2 Shop Replaceable Units (SRU)								-	-	-
18.3.20.3 Repair										
18.3.20.3.1 Line Replaceable Units (LRU)								-	-	-
18.3.20.3.2 Shop Replaceable Units (SRU)								-	-	-
18.3.20.4 Remove and install										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.3.20.4.1 Line Replaceable Units (LRU)								-	-	-
18.3.20.4.2 Shop Replaceable Units (SRU)								-	-	-
18.3.20.5 Operate Peculiar Test Equipment								-	-	-
18.3.20.6 Inspect Peculiar Test Equipment								-	-	-
18.3.20.7 Calibrate Peculiar Test Equipment								-	-	-
18.4 MISSION SYSTEMS										
18.4.1 AAQ-15 Infrared Detecting Set (IDS) TR: 11F-AAQ15-2, 11F-AAQ15-12, 11F-AAQ15-22, 11F-AAQ-15-32										
18.4.1.1 AAQ-15 Infrared Detecting Set (IDS										
18.4.1.1.1 Theory of Operation								-	-	-
18.4.1.1.2 Perform System Operational check										
18.4.1.1.2.1 Using AAM-78								-	-	-
18.4.1.1.2.2 Using AAM-79								-	-	-
18.4.1.1.3 Troubleshoot										
18.4.1.1.3.1 Using AAM-78								-	-	-
18.4.1.1.3.2 Using AAM-79								-	-	-
18.4.1.2 Infrared Receiver										
18.4.1.2.1 Perform operational check using AAM-78								-	-	-
18.4.1.2.2 Perform alignments Using AAM-78										-
18.4.1.2.2.1 Collimator								-	-	-
18.4.1.2.2.2 Scan and Interlace CCA								-	-	-
18.4.1.2.2.3 Video Aux Control CCA								-	-	-
18.4.1.2.2.4 Camera Head (Optiliner)								-	-	-
18.4.1.2.2.5 Camera Assembly								-	-	-
18.4.1.2.2.6 Camera Head (IRAU)								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.1.2.2.7 Detector Dewar								-	-	-
18.4.1.2.2.8 Repeatable Point								-	-	-
18.4.1.2.2.9 Imager Drive								-	-	-
18.4.1.2.2.10 Gain Balance								-	-	-
18.4.1.2.2.11 Gain Balance (IRAU)								-	-	-
18.4.1.2.2.12 Gyro Capture Loop CCA								-	-	-
18.4.1.2.2.13 Boresight/Resolver/ Demodulator								-	-	-
18.4.1.2.3 Troubleshoot Using AAM-78								-	-	-
18.4.1.2.4 Perform Alignments Using AAM-79										
18.4.1.2.4.1 Scan and Interlace CCA								-	-	-
18.4.1.2.4.2 Video Aux Control CCA								-	-	-
18.4.1.2.4.3 Camera Head								-	-	-
18.4.1.2.4.4 Camera Head (IRAU)								-	-	-
18.4.1.2.4.5 Detector Dewar								-	-	-
18.4.1.2.4.6 Imager Drive								-	-	-
18.4.1.2.4.7 Gain Balance								-	-	-
18.4.1.2.4.8 Gain Balance (IRAU)								-	-	-
18.4.1.2.4.9 Reticle Condenser								-	-	-
18.4.1.2.4.10 Afocal								-	-	-
18.4.1.2.4.11 Gyro Capture Look CCA								-	-	-
18.4.1.2.4.12 Demodulator								-	-	-
18.4.1.2.5 Remove and install										
18.4.1.2.5.1 Shop Replaceable Units (SRU)								-	-	-
18.4.1.2.5.2 Components								-	-	-
18.4.1.3 Control Converter										
18.4.1.3.1 Perform operational check								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
							Course	CDC	CDC	
18.4.1.3.2 Remove and install										
18.4.1.3.2.1 Shop Replaceable Units (SRU)								-	-	-
18.4.1.3.2.2 Components								-	-	-
18.4.1.3.3 Troubleshoot Using AAM-78								-	-	-
18.4.2 AAQ-17/-17(A) Infrared Detecting Set (IDS) TR: 11FI-AAQ17-2, 11FI-AAQ17-12, 11FI-AAQ17-22, 11FI-AAQ17-32										
18.4.2.1 Theory of Operation								-	-	-
18.4.2.2 Perform operational check										
18.4.2.2.1 Using AAM-78								-	-	-
18.4.2.2.2 Using AAM-79								-	-	-
18.4.2.3 Troubleshoot										
18.4.2.3.1 Using AAM-78								-	-	-
18.4.2.3.2 Using AAM-79								-	-	-
18.4.2.4 Infrared Receiver										
18.4.2.4.1 Perform operational check Using AAM-78								-	-	-
18.4.2.4.2 Perform alignments Using AAM-78										
18.4.2.4.2.1 Collimator								-	-	-
18.4.2.4.2.2 Scan and Interlace CCA								-	-	-
18.4.2.4.2.3 Video Aux Control CCA								-	-	-
18.4.2.4.2.4 Camera Head								-	-	-
18.4.2.4.2.5 Camera Head (IRAU)								-	-	-
18.4.2.4.2.6 Detector Dewar								-	-	-
18.4.2.4.2.7 Imager Drive								-	-	-
18.4.2.4.2.8 Reticle Condenser								-	-	-
18.4.2.4.2.9 Afocal								-	-	-

**SOF OFF-EQUIPMENT MAINTENANCE**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.2.4.2.10 Gyro Capture Loop CCA								-	-	-
18.4.2.4.2.11 Boresight/Resolver/Demodulator								-	-	-
18.4.2.4.3 Perform Alignments Using AAM-79								-	-	-
18.4.2.4.3.1 Video Aux Control CCA								-	-	-
18.4.2.4.3.2 Scan and Interface CCA								-	-	-
18.4.2.4.3.3 Camera Head								-	-	-
18.4.2.4.3.4 Camera Head (IRAU)								-	-	-
18.4.2.4.3.5 Detector Dewar								-	-	-
18.4.2.4.3.6 Imager Drive								-	-	-
18.4.2.4.3.7 Gain Balance								-	-	-
18.4.2.4.3.8 Gain Balance (IRAU)								-	-	-
18.4.2.4.3.9 Reticle Condenser								-	-	-
18.4.2.4.3.10 Afocal								-	-	-
18.4.2.4.3.11 Gyro Capture Loop CCA								-	-	-
18.4.2.4.3.12 Boresight/Resolver/Demodulator								-	-	-
18.4.2.4.4 Remove and install										
18.4.2.4.4.1 Shop Replaceable Units (SRU)								-	-	-
18.4.2.4.4.2 Components								-	-	-
18.4.2.5 Control Converter										
18.4.2.5.1 Perform operational check using AAM-78								-	-	-
18.4.2.5.2 Remove and install										
18.4.2.5.2.1 Shop Replaceable Units (SRU)								-	-	-
18.4.2.5.2.2 Components								-	-	-
18.4.2.5.3 Troubleshoot using AAM-78								-	-	-
18.4.2.6 Gimbal Position Control Unit (GPCU)										
18.4.2.6.1 Using AAM-78										

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.2.6.1.1 Perform operational check								-	-	-
18.4.2.6.1.2 Perform alignment								-	-	-
18.4.2.6.1.3 Troubleshoot								-	-	-
18.4.2.6.2 Remove and install										
18.4.2.6.2.1 Shop Replaceable Units (SRU)								-	-	-
18.4.2.6.2.2 Components								-	-	-
18.4.2.7 Infrared Set Control										-
18.4.2.7.1 Using AAM-78										
18.4.2.7.1.1 Perform operational check								-	-	-
18.4.2.7.1.2 Troubleshoot								-	-	-
18.4.2.7.2 Remove and install										
18.4.2.7.2.1 Shop Replaceable Units (SRU)								-	-	-
18.4.2.7.2.2 Components								-	-	-
18.4.3 AAQ-18 Forward Looking Infrared System TR: 12S10-2AAQ18-22, 12S10-2AAQ18-32										
18.4.3.1 Theory of Operation								-	-	-
18.4.3.2 Perform System Operational Check								-	-	-
18.4.3.3 Troubleshoot and Repair System								-	-	-
18.4.3.4 Perform operational check										
18.4.3.4.1 Infrared Receiver								-	-	-
18.4.3.4.2 Heat Exchanger								-	-	-
18.4.3.4.3 Afocal								-	-	-
18.4.3.4.4 Camera Head								-	-	-
18.4.3.4.5 Scanner/Phase Shift Lens								-	-	-
18.4.3.4.6 Evaluation Torquer								-	-	-
18.4.3.5 Perform Checks										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	ing Start	ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.3.5.1 Focus Verification								-	-	-
18.4.3.5.2 Final Modulation								-	-	-
18.4.3.5.3 Minimal Resolvable Temperature								-	-	-
18.4.3.6 Perform Alignments										
18.4.3.6.1 Infrared Receiver								-	-	-
18.4.3.6.2 Scanner								-	-	-
18.4.3.6.3 Video Aux Control								-	-	-
18.4.3.6.4 Imager								-	-	-
18.4.3.6.5 Detector Dewar Focus								-	-	-
18.4.3.6.6 Detector Dewar Focus (IRAU)								-	-	-
18.4.3.6.7 Repeatable Point								-	-	-
18.4.3.6.8 Camera Assembly								-	-	-
18.4.3.6.9 Gain Balance								-	-	-
18.4.3.6.10 Reticle								-	-	-
18.4.3.6.11 Track FOV Focus								-	-	-
18.4.3.6.12 Camera Assembly Focus								-	-	-
18.4.3.6.13 Camera Head Assembly								-	-	-
18.4.3.6.14 Elevation Resolver								-	-	-
18.4.3.6.15 Elevation Synchro								-	-	-
18.4.3.6.16 Elevation Tach Generator								-	-	-
18.4.3.6.17 Elevation Resolver Backlash								-	-	-
18.4.3.6.18 Gimbal								-	-	-
18.4.3.6.19 Azimuth Synchro								-	-	-
18.4.3.6.20 Afocal Assembly Focus								-	-	-
18.4.3.6.21 Afocal Assembly FOV								-	-	-
18.4.3.7 Infrared Receiver										

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.3.7.1 Remove and install										
18.4.3.7.1.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.7.1.2 Components								-	-	-
18.4.3.7.2 Troubleshoot								-	-	-
18.4.3.8 Power Supply										
18.4.3.8.1 Perform operational check								-	-	-
18.4.3.8.2 Perform alignment								-	-	-
18.4.3.8.3 Remove and install										-
18.4.3.8.3.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.8.3.2 Components								-	-	-
18.4.3.8.4 Troubleshoot								-	-	-
18.4.3.9 Electronic Control Amplifier (ECA)										
18.4.3.9.1 Perform operational check								-	-	-
18.4.3.9.2 Perform Alignment								-	-	-
18.4.3.9.3 Remove and install										
18.4.3.9.3.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.9.3.2 Components								-	-	-
18.4.3.9.4 Troubleshoot								-	-	-
18.4.3.10 Infrared Set Control										
18.4.3.10.1 Perform operational check								-	-	-
18.4.3.10.2 Perform Alignment								-	-	-
18.4.3.10.3 Remove and install										
18.4.3.10.3.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.10.3.2 Components								-	-	-
18.4.3.10.4 Troubleshoot								-	-	-
18.4.3.11 Infrared Mount Base										

## SOF OFF-EQUIPMENT MAINTENANCE

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
18.4.3.11.1 Perform operational check								-	-	-
18.4.3.11.2 Remove and install										
18.4.3.11.2.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.11.2.2 Components								-	-	-
18.4.3.12 FLIR Position Indicator (FPI) TR: Applicable Technical Orders and Local Checklists										
18.4.3.12.1 Perform operational check								-	-	-
18.4.3.12.2 Perform Alignment								-	-	-
18.4.3.12.3 Remove and install										
18.4.3.12.3.1 Shop Replaceable Units (SRU)								-	-	-
18.4.3.12.3.2 Components								-	-	-
18.4.3.12.4 Troubleshoot								-	-	-
18.4.4 AN/AVQ-19/19A Laser Target Designator/Ranger (LTD/R) TR: 11F1-1-101										
18.4.4.1 Perform operational checks										
18.4.4.1.1 Receiver/Transmitter								-	-	-
18.4.4.1.2 Power Supply Unit								-	-	-
18.4.4.1.3 Control Indicator Unit								-	-	-
18.4.4.1.4 Align Receiver/Transmitter								-	-	-
18.4.4.2 Remove and install										
18.4.4.2.1 Receiver/Transmitter								-	-	-
18.4.4.2.2 Power Supply Unit								-	-	-
18.4.4.2.3 Control Indicator Unit								-	-	-
18.4.4.3 Troubleshoot										
18.4.4.3.1 Receiver/Transmitter								-	-	-
18.4.4.3.2 Power Supply Unit								-	-	-
18.4.4.3.3 Control Indicator Unit								-	-	-

## SOF OFF-EQUIPMENT MAINTENANCE

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
18.4.4.4 Perform LTD/R Purge Procedures								-	-	-

# ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
19 Attachment 19 - Electronic Principles Course Specialty Standard (CTS) NOTE 1: This attachment identifies the Air Force standardizes CTS Electronic Principles and application CTS entries. NOTE 2: Only proficiency level coded items in Column 4A are trained in the Electronic Principles portion of the course. NOTE 3: Users may annotate unique AFSC-specific devices or circuits not identified by attachment IAW AFI 36-2201v5. NOTE 4: All course requirements are trained in the 3-level resident course during wartime. NOTE 5: CTS elements shown in parentheses in column 4A are taught to the designated level in course J3ABR2A533A048C, Communication/Navigation/Mission Systems Apprentice, at Sheppard AFB, TX.										
19.1 ELECTRONIC SUPPORT SUBJECTS										
19.1.1 Safety								B	-	-
19.1.2 First Aid								A	-	-
19.1.3 Electrostatic Discharge (ESD) Control								B	-	-
19.1.4 Electromagnetic Effects (EMP/EMI)								B	-	-
19.1.5 Metric Notation										
19.1.5.1 Calculate Powers of Ten								2b	-	-
19.1.5.2 Electrical Prefixes								B	-	-
19.2 USE TEST EQUIPMENT										
19.2.1 Analog Multimeter								2b	-	-
19.2.2 Digital Multimeter								2b	-	-
19.2.3 Oscilloscope								2b	-	-
19.2.4 Signal/Function Generator								2b	-	-
19.3 BASIC CIRCUITS										
19.3.1 Direct Current (DC)										
19.3.1.1 Theory								B	-	-
19.3.1.2 Calculations								2b	-	-
19.3.2 Alternating Current (AC)										
19.3.2.1 Theory								B	-	-
19.3.2.2 Calculations								2b	-	-
19.4 BASIC CIRCUIT COMPONENTS										
19.4.1 Resistors										

# ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
19.4.1.1 Theory								B	-	-
19.4.1.2 Color Code								B	-	-
19.4.1.3 Troubleshoot								2b	-	-
19.4.2 Inductors										
19.4.2.1 Theory								B	-	-
19.4.2.2 Troubleshoot								2b	-	-
19.4.3 Capacitors										
19.4.3.1 Theory								B	-	-
19.4.3.2 Troubleshoot								2b	-	-
19.4.4 Resistive-Capacitive-Inductive (RCL) Circuits Theory										
19.4.4.1 Basic								A	-	-
19.4.4.2 Resonant								A	-	-
19.4.4.3 Frequency Sensitive Filter								A	-	-
19.5 ELECTROMAGNETIC DEVICES										
19.5.1 Transformers										
19.5.1.1 Theory								B	-	-
19.5.1.2 Troubleshoot								2b	-	-
19.5.2 Relays and Solenoids										
19.5.2.1 Theory								B	-	-
19.5.2.2 Troubleshoot Relay								2b	-	-
19.5.3 Motor Theory										
19.5.3.1 DC								A	-	-
19.5.3.2 AC								A	-	-
19.5.4 Generator Theory										
19.5.4.1 DC								A	-	-
19.5.4.2 AC								A	-	-

## ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
19.5.5 Synchro/Servo/Resolvers										
19.5.5.1 Theory								A	-	-
19.5.5.2 Theoretical troubleshooting								-	-	-
19.5.6 Transducer Theory								B	-	-
19.6 SOLID STATE DEVICES										
19.6.1 Diodes										
19.6.1.1 Theory								B	-	-
19.6.1.2 Troubleshoot								2b	-	-
19.6.2 Bipolar Junction Transistors										
19.6.2.1 Theory								B	-	-
19.6.2.2 Troubleshoot								2b	-	-
19.6.3 Special Purpose Device Theory										
19.6.3.1 Zener Diode								B	-	-
19.6.3.2 Light Emitting Diode (LED)								A	-	-
19.6.3.3 Liquid Crystal Display (LCD)								A	-	-
19.6.3.4 Integrated Circuits (IC)								A	-	-
19.6.3.5 Field Effect Transistor (FET)								-	-	-
19.6.3.6 Operational Amplifiers								A	-	-
19.7 TRANSISTOR AMPLIFIER CIRCUITS										
19.7.1 Theory								B	-	-
19.7.2 Stabilization								B	-	-
19.7.3 Coupling								B	-	-
19.8 POWER SUPPLY CIRCUITS										
19.8.1 Theory										
19.8.1.1 Rectifiers								B	-	-
19.8.1.2 Filters								B	-	-

# ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
19.8.1.3 Voltage Regulators								B	-	-
19.8.2 Troubleshoot								2b	-	-
19.9 WAVE GENERATING CIRCUITS										
19.9.1 Theory										
19.9.1.1 Oscillators								B	-	-
19.9.1.2 Multivibrators								B	-	-
19.9.1.3 Waveshaping Circuits								B	-	-
19.10 DIGITAL NUMBERING SYSTEMS										
19.10.1 Conversions										
19.10.1.1 Binary								B	-	-
19.10.1.2 Octal								-	-	-
19.10.1.3 Hexadecimal								B	-	-
19.10.1.4 Binary Coded Decimal								B	-	-
19.10.2 Binary Math Operations								2b	-	-
19.11 DIGITAL LOGIC CIRCUITS										
19.11.1 Theory										
19.11.1.1 Gates								B	-	-
19.11.1.2 Flip Flops								B	-	-
19.11.1.3 Combinational Logic Circuits										
19.11.1.3.1 Theoretical Troubleshoot								-	-	-
19.11.2 Digital to Analog (DA) and Analog to Digital (AD) Converters Theory								B	-	-
19.12 BASIC COMPUTER FUNDAMENTALS										
19.12.1 Network Theory										
19.12.1.1 Components								-	-	-
19.12.1.2 Types								-	-	-

# ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

I. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
19.12.1.3 Topologies								-	-	-
19.12.1.4 Communications Mediums								-	-	-
19.12.1.5 LAN Architecture								-	-	-
<b>19.13 BASIC COMMUNICATIONS THEORY</b>										
19.13.1 Antenna								-	-	-
19.13.2 Transmissions Lines										
19.13.2.1 Data Bus								B	-	-
19.13.3 Waveguide								-	-	-
19.13.4 Transmitters										
19.13.4.1 Amplitude Modulation (AM)								B	-	-
19.13.4.2 Frequency Modulation (FM)								-	-	-
19.13.5 Receivers										
19.13.5.1 Amplitude Modulation (AM)								B	-	-
19.13.5.1.1 AM Receiver Signals								-	-	-
19.13.5.1.2 Measure Radio Frequency (RF)								-	-	-
19.13.5.1.3 Measure Intermediate Frequency (IF)								-	-	-
19.13.5.1.4 Measure Audio Frequency (AF)								-	-	-
19.13.5.1.5 Measure Local Oscillator (LO) Output								-	-	-
19.13.5.2 Frequency Modulation								-	-	-
<b>19.14 SOLDER AND DESOLDER</b>										
19.14.1 Terminal Connection								-	-	-
19.14.2 Printed Circuit Board (PCB)								-	-	-
19.14.3 Multipin Connector								-	-	-
19.14.4 Coaxial Connector								-	-	-
<b>19.15 ASSEMBLE SOLDERLESS CONNECTORS</b>										
19.15.1 Crimped Connection								-	-	-

# ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
19.15.2 Coaxial Connector								-	-	-
19.15.3 Multipin Connector								-	-	-

## 2AX7X CDC TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
<p>20 Attachment 20 - 2AX7X Training Requirements</p> <p>NOTE 1: All course requirements are trained in the 3-level wartime course.</p> <p>NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 3: Items marked in columns 2a or 2b marked with an */R are optional core tasks for ANG and AFRC.</p> <p>NOTE 4: Address comments and recommend changes through the MAJCOM Functional Managers to the AETC Training Manager at DSN 736-7891.</p>										
20.1 MANAGEMENT WITHIN THE MAINTENANCE COMPLEX TR: AFI-21-101, AFI 21-118 and specific MAJCOM guidance										
20.1.1 Functions of the Maintenance Complex								-	-	B
20.1.2 Maintenance Group Commander Responsibilities TR: AFI 38-101, AFD 38-1								-	-	B
20.1.3 Maintenance Debriefing and Landing Status Codes								-	-	A
20.1.4 Maintenance Analysis								-	-	B
20.1.5 Compliance and Standardization Requirements Listing								-	-	A
20.1.6 Maintenance Performance Indicators (MPI) Relationships								-	-	B
20.1.7 Foreign Object Damage (FOD) Program Management TR: AFI 21-101								-	-	A
20.1.8 Joint Oil Analysis Program TR: TO 33-1-37-1								-	-	B
20.1.9 Mobility								-	-	A
20.1.10 Hazard Declarations for Mobility Packages TR: AFMAN 23-204, AFI 91-301								-	-	A
20.1.11 Hazardous Materials Handling TR: AFI 91-301, AFI 24-202, AFMAN 23-110, AFMAN 24-404								-	-	B
20.1.12 Production Supervisor, Flight Chief, and Expediter Duties and Responsibilities TR: AFI 21-1-1								-	-	B
20.1.13 Special Certification Rosters TR: AFI 21-101								-	-	B
20.1.14 Maintenance Incident Investigation TR: AFI 91-204								-	-	B
20.1.15 Aircraft/Equipment Impoundment TR: AFI 21-101								-	-	B

**2AX7X CDC TRAINING REQUIREMENTS**

**CFETP 2A5X3A**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
20.1.16 Operational Risk Management (ORM) TR: AFPD 90-9, AFI 90-901, AFPAM 90-902								-	-	B
20.1.17 Restricted Maintenance Areas								-	-	A
20.1.18 Power Handling of Classified Assets TR: AFI 21-101, TO 00-20-1								-	-	A
20.1.19 Maintenance Inspection Concepts TR: TO 00-20-1								-	-	B
20.1.20 Tools and Equipment Management TR: AFI 21-101								-	-	A
20.2 ENLISTED SPECIALTY TRAINING TR: AFI 36-2201 Vol 1-6, AFI 36-2232										
20.2.1 Training Management and Records								-	-	B
20.2.2 IMDS Automated Training Business Area								-	-	B
20.2.3 Career Field Education and Training Plan (CFETP)								-	-	A
20.2.4 Specialty Training Standard (STS)								-	-	A-
20.2.5 Occupational Survey Report (OSR)								-	-	A
20.2.6 Utilization and Training Workshop (U&TW)								-	-	A
20.2.7 Training Forecast/Request								-	-	A
20.2.8 Training Waiver Process								-	-	A
20.2.9 Field Evaluation Questionnaire (FEQ) and Graduate Assessment Survey (GAS)								-	-	A
20.3 ACCOUNTABILITY FOR RECORDS, REPORTS, AND FORMS TR: AFI 21-109, TOs 00-35D-54 and 00-20 Series										
20.3.1 Historical Records								-	-	B
20.3.2 Minimum Essential System Listing (MESL)								-	-	A
20.4 AUTOMATED MAINTENANCE SYSTEM										
20.4.1 Core Automated Maintenance System for Airlift (GO81)								-	-	A

## 2AX7X CDC TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
20.4.2 Integrated Maintenance Data System (IMDS) TR: AFM 66-279 Vol I-XXVII, TO 00-20-1								-	-	B
20.4.3 Maintenance Data Documentation (MDD)								-	-	-
20.4.4 Enterprise Data Warehouse (EDW)								-	-	A
20.4.5 Reliability and Maintainability Information System (REMIS)								-	-	A
20.4.6 Enhanced Maintenance Operations Center (EMOC) Software								-	-	A
20.4.7 Air Force Technical Order (AFTO) Forms 81, 244, and 245 TR: TO 00-20-1								-	-	B
20.4.8 Configuration and Management TR: TO AFI 21-101								-	-	A
20.4.9 Aircraft/Equipment Modifications TR: AFI 63-1101								-	-	B
20.4.10 Nuclear Surety TR: AFI 91-101								-	-	A
20.5 SUPPLY MANAGEMENT TR: DOD 7100-10, AFM 67-1, AFMANs 23-220 and 23-110										
20.5.1 Maintenance Supply Concept TR: AFMAN 23-110								-	-	A
20.5.2 Supply Documents Management								-	-	B
20.5.3 Precious Metal Program TR: AFMAN 23-110								-	-	A
20.5.4 Quick Reference List (QRL)								-	-	A
20.5.5 Standard Base Supply System (SBSS) TR: AFMAN 23-110								-	-	B
20.5.6 Integrated Logistics Systems - Supply (ILS-S) and Global Combat Support System (GCSS) TR: AFMAN 23-110								-	-	A
20.5.7 Maintenance Repair/Supply Delivery Priorities TR: AFI 21-101								-	-	B
20.5.8 Repair Cycle Assets TR: AFI 21-101								-	-	B
20.5.9 Report of Survey and Statement of Charges TR: AFI 23-220								-	-	B
20.5.10 Equipment Account Management TR: AFMAN 23-110, AFI 21-101								-	-	B

## 2AX7X CDC TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
20.5.11 Custodian Authorization/Custody Receipt Listing (CA/CRL) TR: AFI 21-101								-	-	B
20.5.12 Special Purpose Recoverable Authorized Maintenance (SPRAM) TR: AFMAN 23-110, AFIs 21-101, 21-103								-	-	A
20.5.13 Air Force Equipment Management System (AFEMS)								-	-	A
20.5.14 Bench, Shop, Operating Stocks, Work Order Residue, Special Levels, and Shelf-Life Items TR: AFI 21-101								-	-	A
20.5.15 Hazardous Materials (HAZMAT) TR: AFI 32-7086								-	-	B
20.5.16 Qualified Products Listing								-	-	A
20.5.17 Local Manufacture TR: AFI 21-101								-	-	A
20.6 LOGISTICS AND RESOURCE MANAGEMENT TR: AFPD 21-1										
20.6.1 Air Force Government-Wide Purchase Card Program and Air Force Form 9 TR: AFI 64-117								-	-	A
20.6.2 Air Force Repair Enhancement Program (AFREP) TR: AFI 21-123								-	-	A
20.6.3 Air Force Materiel Command (AFMC) Responsibilities								-	-	A
20.6.4 Special Experience Identifier (SEI) TR: AFI 21-101, AFMAN 36-2108								-	-	A
20.6.5 Unit Manpower Document (UMD) and Unit Management Personnel Roster (UMPR)								-	-	A
20.6.6 Manning Standards and Logistics Composite Model (LCOMO) TR: AFI 38-201, AFMAN 38-208								-	-	A
20.6.7 Status of Resources and Training (SORTS)								-	-	A
20.7 TECHNICAL ORDER MANAGEMENT								-	-	-

## 2AX7X CDC TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
20.7.1 Technical Order Distribution Office (TODO), Technical Order Distribution (TODA) and Technical Order Review Board (TORB) TR: AFI 21-101, TO 00-5-1								-	-	A
20.7.2 Air Force Technical Order Forms 22, 27, and 158								-	-	A
20.7.3 Automated Technical Order Management System (ATOMS) TR: TO 00-5-1								-	-	A
20.7.4 Time Compliance Technical Orders (TCTO) TR: TO 00-5-15								-	-	A
20.7.5 Joint Computer-Aided Acquisition and Logistics Support (JCALS)								-	-	A
20.7.6 Electronic Technical Orders								-	-	A
20.7.7 USAF Deficiency Reporting and Investigating System TR: TO 00-35D-54								-	-	B
20.7.8 Deficiency Report Entry and Mail Submitter (DREAMS)								-	-	A
20.7.9 Supply Discrepancy Report								-	-	B
20.7.10 Product Improvement Working Groups (PWIG), Technical Improvement Product Working Group (TIPWG), Systems Training Plan (STP), Program Management Review (PMR)								-	-	A
20.7.11 Corrosion Prevention Advisory Board (CPAB) TR: AFI 21-105								-	-	A
20.7.12 Aircraft Structural Integrity Program (ASIP) TR: AFIs 21-101, 63-1001								-	-	A
20.7.13 Precision Measurement Equipment Laboratory (PMEL)								-	-	A
20.8 COMPUTER APPLICATION										
20.8.1 Air Force Electronic Publishing Library (AFEPL)								-	-	B
20.8.2 Air Force Portal								-	-	B
20.9 MAINTENANCE MANAGEMENT POLICY CENTRALIZED INTERMEDIATE REPAIR FACILITIES (CIRFS) TR: AFI 21-101										

## 2AX7X CDC TRAINING REQUIREMENTS

CFETP 2A5X3A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								Course	CDC	CDC
20.9.1 Unit Type Codes (UTC) to support Forward Operating Locations (FOL) and centralized Intermediate Repair Facility (CIFR)								-	-	A
20.9.2 Readiness Spares Packages (RSP) to support O-level maintenance at Fools								-	-	A
20.9.3 Readiness Spares Packages to support I-level at CIRF								-	-	A
20.9.4 Air Force Portal, for status of aircraft, engines, pods, test stations, and LRUs/SRUs								-	-	A
20.10 SAFETY TR: AFI 21-101								-		
20.10.1 Hazard Abatement Safety Guidance TR: AFI 91-301								-	-	A
20.10.2 Maintenance Safety Guidance TR: AFSH STD 91-501								-	-	A
20.10.3 Evaluation Program TR: AFI 21-101								-	-	A
20.10.4 Quality Assurance Program (QAP) TR: AFI 21-101								-	-	A
20.10.5 Special Programs TR: AFI 21-101								-	-	A

## ***2.2. SECTION B - COURSE OBJECTIVE LIST***

**4. Measurement:** Each proficiency code STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is composed of a condition, behavior, and standard; which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. technical orders, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the PC code(s), which indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. "PC/W" indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

**5. Standard:** The standard of written examinations is 65% to 72%, depending on the number of questions on the test. Standards of performance are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

**6. Proficiency Level:** Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

**7. Course Objectives:** A detailed listing of initial skills course objectives may be obtained by submitting a written request to the AETC Training Manager, 365 TRS/TRR, 609th Ave., Stop 22, Sheppard AFB TX 76311-2335.

### ***SECTION C - OJT SUPPORT MATERIAL:***

**8.** The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to the Air Force Education and Training Course Announcements (ETCA) for information on AETC formal courses. ETCA can be accessed from Keesler's homepage at <https://etca.randolph.af.mil>.

Interactive Courseware (ICW) courses are available from or are under development by 367 TRS/TRSS at Hill AFB, UTAH. Their course catalog is available on the Internet at <http://www.hill.af.mil/367TRS.findex.htm>. Ordering information is found in the General Information area of the catalog

For further information on the following courses, contact the OPR at:

81 TRSS  
Qualification Training Flight  
601 D Street  
Keesler AFB, MS 39534-2229  
DSN 597-5893

782 TRG  
826 Avenue G Suite 4  
Sheppard AFB TX 76311-2867  
DSN 736-2578

362 TRS/TRR  
613 10th Street  
Sheppard AFB TX 76311-2352  
DSN 736-1825

Course Number	Course Title	OPR
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
J6ANU00066-044	General Technical Order Systems	362 TRS
J6ANU00066-045	Advanced Technical Order Systems	362 TRS
J6ANU0006-046	IMDS for Flightline	362 TRS
J6ANU0006-047	IMDS for Backshop	362 TRS
J6ANU0006-048	IMDS for Supervisors	362 TRS

\*\*These courses are Computer Based Training (CBT), and may be requested as any other course. They are listed at web site: <https://etca.randolph.af.mil>.

#### **SECTION D - TRAINING COURSE INDEX**

**9. Purpose:** This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs.

#### **10 Air Force In-Resident Courses:**

Course Number	Course Title	OPR	User
J3ABR2A533A048B	Communication/Navigation/Mission Systems Apprentice	365 TRS	AF, ANG, ARC

365 TRS/TRR  
609 9th Avenue  
Sheppard AFB, TX 76311-2335  
DSN 736-7891

#### **11. Air Force Institute for Advanced Distributed Learning (AFIADL) Courses:**

For information on career development courses (CDC), contact the course managers at the addresses below or refer to the AFIADL URL: <https://www.maxwell.af.mil/au/afiadl/>.

365 TRS/TTCF  
609 9th Avenue  
Sheppard AFB, TX 76311-2335  
DSN 736-7901

362 TRS/TRR  
613 9<sup>th</sup> Avenue3  
Sheppard AFB, TX 76311-  
DSN 736-1825

Course Number	Course Title	OPR	User
CDC 2A553A	Communication/Navigation/Mission Systems Journeyman	365 TRS	AF, ANG, ARC
CDC 2AX7X	Aerospace Maintenance Craftsman	362 TRS	AF, ANG, ARC

## 12. Exportable Courses:

For further information on exportable courses, contact the OPRs at:

367 TRSS/TSIMD  
6058 Aspen Avenue  
Hill AFB UT 84056-5805  
DSN 777-7830/0150

362 TRS  
613 10th Avenue  
Sheppard AFB, TX 76311-2352  
DSN 736-5206

The 367 TRS course catalog can be viewed on-line at <https://367catalog.hill.af.mil/catalog> and the 362 TRS courses can be viewed on-line at <https://etca.randolph.af.mil>

## 13. Air Force Field Training Detachment (FTD) Courses:

For information on the FTD courses, contact the OPRs at:

372 TRS  
912 I Ave., Suite 3  
Sheppard AFB TX 76311-2361  
DSN 736-4801

373 TRS  
912 I Ave, Suite 3  
Sheppard AFB TX 76311-2361  
DSN 736-4750

The FTD courses can be viewed at: <https://etca.randolph.af.mil>  
Click on the 982 Training Patch that shows, "Search Field Training".  
In the field for Training Organization, type "Field Training" and click "GO".  
All FTD courses are listed.  
Click on the red course number.  
Course descriptions are listed.

## 14. Courses Under Development/Revision: Not Used.

## ***SECTION E - MAJCOM UNIQUE REQUIREMENTS***

**15. Currently** only air Combat command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at URL <https://lg.acc.af.mil/lgq/lgqt/NEWLGQTHOME.htm>. After access, click on "training" and then on MMCL". Refer to the HQ ACC MMCL for mandatory course requirements for this AFSC.

### **2.5.2. Additional courses available from ACC.**

Contact the course OPRs at:

HQ ACC PMS/OL-CA  
6058 Aspen  
Hill AFB UT 84056-5895  
DSN 777-4278